



NEC3 Supply Contract (SC3)

Between **ESKOM HOLDINGS SOC Ltd**
(Reg No. 2002/015527/30)

and
(Reg No. _____)

for **Supply and Delivery of Bolts and Nuts on an "as and when required" at Hendrina Power Station (Materials Management Department) for a period of 5 years**

Contents:

Part C1 Agreements & Contract Data

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Part C3 Scope of Work

CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

Contents:

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C1.2a Contract Data provided by the *Purchaser*

C1.2b Contract Data provided by the *Supplier*

C1.3 Proforma Guarantees

C1.1 Form of Offer & Acceptance

Offer

The Purchaser, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Supply and Delivery of Bolts and Nuts on an "as and when required" basis at Hendrina Power Station (Materials Management Department) for a period of 5 years.

The tenderer, identified in the Offer signature block, has

<i>either</i>	examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

By the representative of the tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the tenderer offers to perform all of the obligations and liabilities of the *Supplier* under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the *conditions of contract* identified in the Contract Data.

	The offered total of the Prices exclusive of VAT is	N/A
	Value Added Tax @ 15% is	N/A
	The offered total of the amount due inclusive of VAT is ¹	N/A
	(in words) N/A	

This Offer may be accepted by the Purchaser by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Supplier* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Acceptance

¹ This total is required by the *Purchaser* for budgeting purposes only. Actual amounts due will be assessed in terms of the *conditions of contract*.

By signing this part of this Form of Offer and Acceptance, the *Purchaser* identified below accepts the tenderer's Offer. In consideration thereof, the *Purchaser* shall pay the *Supplier* the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the *Purchaser* and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- | | |
|---------|--|
| Part C1 | Agreements and Contract Data, (which includes this Form of Offer and Acceptance) |
| Part C2 | Pricing Data |
| Part C3 | Scope of Work: Goods Information including Supply Requirements |

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Purchaser during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Purchaser's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed and signed original copy of this document, including the Schedule of Deviations (if any).

Signature(s)

Name(s)

Capacity

for the
Purchaser

**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg,
2199**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tenders, use another copy of this Form of Offer and Acceptance.

Schedule of Deviations to be completed by the *Purchaser* prior to contract award

No.	Subject	Details
1	PAYMENT	PAYMENT IN 14 DAYS FROM DELIVERY

By the duly authorised representatives signing this Schedule of Deviations below, the *Purchaser* and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the Offer agreed by the tenderer and the *Purchaser* during this process of Offer and Acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Form shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the tenderer:

For the *Purchaser*

Signature

Name

Capacity

On behalf
of

(Insert name and address of organisation)

**Eskom Holdings SOC Ltd, Megawatt
Park, Maxwell Drive, Sandton,
Johannesburg, 2199**

Name &
signature
of witness

Date

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

Completion of this data in full, according to the Options chosen, is essential to create a complete contract.

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	A: Priced contract with price list
	dispute resolution Option and secondary Options	X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		X17: Low performance damages
		X20: Key Performance Indicators
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ²	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	[•]
	Fax No.	[•]
10.1	The <i>Supply Manager</i> is (name):	
	Address	Hendrina Power Station
	Tel	
	E-mail	

² Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902, www.ecs.co.za.

11.2(13)	The <i>goods</i> are	Steel
11.2(13)	The <i>services</i> are	Supply and Delivery of Bolts and Nuts on an "as and when required" basis at Hendrina Power Station (Materials Management Department) for a period of 5 years.
11.2(14)	The following matters will be included in the Risk Register	1) Delays on delivery 2) Quality of deliverables
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	2 working days
2	The Supplier's main responsibilities	The Supplier provides the following additional documentation at the time of delivery: 1. All material certificates 2. All inspection reports (NDT, dimensional, etc.) 3. Detailed tax invoice. 4. QIP (On Items Requested)
3	Time	
30.1	The <i>starting date</i> is.	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	On an "as and when required" basis
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	Supplier informs the Purchaser to come and inspect and accept all goods before effecting delivery.
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	2 Weeks of the Contract Date
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	4 weeks
4	Testing and defects	
42	The <i>defects date</i> is	On the day of the delivery.
43.2	The <i>defect correction period</i> is	1 weeks (To be negotiated between Purchaser and Supplier based on criticality of spares)
42.2	The <i>defects access period</i> is	To be negotiated between Purchaser and Supplier
5	Payment	
50.1	The <i>assessment interval</i> is	After each delivery and acceptance of spares

51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	14 Days
51.4	The <i>interest rate</i> is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.</p>
6	Compensation events	As per NEC Core clause 60.
7	Title	As per NEC Core clause 70.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	<ol style="list-style-type: none"> 1. Supplier not Supplying goods in time can result in outage slip or plant shutdown. 2. Supplier not meeting quality requirements can result in financial and production loss. 3. Incorrect Specification used can result in production losses/financial loss/PFMA violation and outage slip.

84 **Insurance cover**

84.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force

84.2 The *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the *starting date* until the last *defects date* or a termination certificate has been issued.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage to the <i>goods</i> , plant and materials	The replacement cost where not covered by the <i>Purchaser's</i> insurance The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance
Liability for loss of or damage to property (except the <i>goods</i> , plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i>) caused by activity in connection with this contract.	<u>Loss of or damage to property</u> <u>Purchaser's property</u> The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance. <u>Other property</u> The replacement cost <u>Death of or bodily injury</u> The amount required by the applicable law.
Liability for death of or bodily injury to employees of the <i>Supplier</i> arising out of and in the course of their employment in connection with this	The amount required by the applicable law

87 **Insurance by the *Purchaser***

The *Purchaser* provides the

87.1

insurances stated in the Insurance
Table B

Insurance Table B

Insurance against or name of policy	Minimum amount of cover or minimum limit of indemnity
Assets All Risk	Per the insurance policy document
Contract Works insurance	Per the insurance policy document
Environmental Liability	Per the insurance policy document
General and Public Liability	Per the insurance policy document
Transportation (Marine)	Per the insurance policy document
Motor Fleet and Mobile Plant	Per the insurance policy document
Terrorism	Per the insurance policy document
Cyber Liability	Per the insurance policy document
Nuclear Material Damage and Business Interruption	Per the insurance policy document
Nuclear Material Damage Terrorism	Per the insurance policy document

88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	<p>(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event described in the "Format A" insurance policy available</p> <p>and</p> <p>(2) for all other existing <i>Purchaser's</i> property the highest applicable deductible (first amount payable) namely:</p> <ul style="list-style-type: none"> • R15 million (fifteen million Rand) for Generation Division property; <p>See notes in Annexure B</p>
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	
88.5	The <i>end of liability date</i> is	until product is utilised the period of warranty of the product should commence from the date of use or installation of the product because we cannot determine if the goods were defect or not unless they were in use. As long as the one can objectively determine the date of use or installation and for as long as the goods were not stored for an unreasonably long period in good conditions of storage.

9 Termination and dispute resolution

94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	To be known once the dispute arises.
	Tel No.	To be known once the dispute arises.

Fax No.

To be known once the dispute arises.

e-mail

To be known once the dispute arises.

94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	[to be announced] South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his
	- if the arbitration procedure does not state who selects an arbitrator, is	nominee of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1	Price adjustment for inflation																									
X1.1	The <i>base date</i> for indices is	The month prior to the enquiry closing date.																								
	The proportions used to calculate the Price Adjustment Factor are:	<table> <tr> <th>proportion</th><th>linked to index for</th><th>Index prepared by</th></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>15%</td><td colspan="2">non-adjustable</td></tr> <tr> <td>100%</td><td></td><td></td></tr> </table>	proportion	linked to index for	Index prepared by	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	15%	non-adjustable		100%		
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15%	non-adjustable																									
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X2	Changes in the law																									
X2.1	A change in the law of	Republic of South Africa is a compensation event if it occurs after the Contract Date																								
X7	Delay damages																									
A	Delay damages for Delivery are	0.5% (zero point five per centum) increments of the batch order value per calendar day late, until damages have accumulated to 10% of the batch order.																								

X17	Low performance damages	
X17.1	The amounts for low performance damages are:	Stated in the Purchaser's goods information
X20	Key Performance Indicators (not used when Option X12 applies)	To be initiated on contract award as per sample on last page.
X20.1	The <i>incentive schedule</i> for Key Performance Indicators is in	Appendix B on the last page of this document. No incentives will be paid out for Key performance indicators
X20.2	A report of performance against each Key Performance Indicator is provided at intervals of	6 monthly
Z	The <i>additional conditions of contract</i> are	Z1 to Z12 always apply for Eskom

Z1 Cession delegation and assignment

- Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*.
- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.

Z2 Joint ventures

- Z2.1 If the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

Z3 Change of Broad Based Black Economic Empowerment (B-BBEE) status

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the

Purchaser may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.

- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

Z4 Confidentiality

- Z4.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
- Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.
- Z4.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

Z5 Waiver and estoppel: Add to core clause 12.3:

- Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Supply Manager* or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

Z6 Health, safety and the environment: Add to core clause 25.4

- Z6.1 The *Supplier* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the provision of the *goods* and execution of the *services*.

Without limitation the *Supplier*:

- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of supply and
- undertakes, in and about the execution of the supply, to comply with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the

Supplier's direction and control, likewise observe and comply with the foregoing.

- Z6.2 The *Supplier*, in and about the execution of the supply, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z7 Provision of a Tax Invoice and interest. Add to core clause 51

- Z7.1 Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.
- Z7.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z7.3 The *Supplier* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

Z8 Notifying compensation events

- Z8.1 Delete from the last sentence in core clause 61.3 the words, "unless the event arises from the *Supply Manager* giving an instruction, changing an earlier decision or correcting an assumption".

Z9 Purchaser's limitation of liability

- Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

Z10 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":

- Z10.1 or had a business rescue order granted against it.

Z11 Addition to secondary Option X7 Delay damages (if applicable in this contract)

- Z11.1 If the amount due for the *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

Z12 Ethics

For the purposes of this Z-clause, the following definitions apply:

- Affected Party** means, as the context requires, any party, irrespective of whether it is the *Supplier* or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,
- Coercive Action** means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,
- Collusive Action** means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,
- Committing Party** means, as the context requires, the *Supplier*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,
- Corrupt Action** means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,
- Fraudulent Action** means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,
- Obstructive Action** means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action and
- Prohibited Action** means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.
- Z 12.1** A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z 12.2** The *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Purchaser* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Purchaser* can terminate the *Supplier's* obligation to Provide the Goods and Services for this reason.
- Z 12.3** If the *Purchaser* terminates the *Supplier's* obligation to Provide the Goods and Services for this reason, the procedures and amounts due on termination are respectively P1, P2 and P3, and A1 and A3.
- Z 12.4** A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* ensures that the Committing Party co-operates fully with an investigation.

Z13 Asbestos

For the purposes of this Z-clause, the following definitions apply:

- AAIA** means approved asbestos inspection authority.
- ACM** means asbestos containing materials.

AL	means action level, i.e. a level of 50% of the OEL, i.e. 0.1 regulated asbestos fibres per ml of air measured over a 4 hour period. The value at which proactive actions is required in order to control asbestos exposure to prevent exceeding the OEL.
Ambient Air	means breathable air in area of work with specific reference to breathing zone, which is defined to be a virtual area within a radius of approximately 30cm from the nose inlet.
Compliance Monitoring	means compliance sampling used to assess whether or not the personal exposure of workers to regulated asbestos fibres is in compliance with the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
OEL	means occupational exposure limit.
Parallel Measurements	means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.
Safe Levels	means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
Standard	means the <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.
SANAS	means the South African National Accreditation System.
TWA	means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4 hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

- Z13.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.
- Z13.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are effected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier's* expense. For the purposes of compliance the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.
- Z13.3 The *Purchaser* manages asbestos and ACM according to the Standard.
- Z13.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.
- Z13.5 The *Supplier's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.

Z13.6 The *Supplier* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations.

Annexure A: Supply Requirements

The Supply Requirements for this contract are based on the use of INCOTERMS:

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010³ as follows:

[Select the group and then term within the group which applies and state the applicable delivery place. Delete all the other groups and this note]

Group	Category	Term	Delivery Place
E	departure	EXW	
F	main carriage unpaid	FCA, FAS, FOB	
C	main carriage paid	CIP	Hendrina Power Station
D	arrival	DAF, DES, DEQ, DDU, DDP	

The Parties obligations described in Incoterms for the category and term selected are now incorporated into this contract as part of the Supply Requirements and hence the Goods Information.

The obligations of seller and buyer for the selected Incoterm determine each Party's costs, risks and insurance requirements incidental to the supply and transport of the *goods* from *Supplier* to *Purchaser*.

For each of the thirteen terms, Incoterms set out obligations of the seller (the *Supplier*) in ten paragraphs identified as A1 to A10 and the corresponding obligations of the buyer (the *Purchaser*) in paragraphs B1 to B10. These obligations cover the following subjects:

A	The <i>Supplier's</i> obligations	B	The <i>Purchaser's</i> obligations
A1	Provision of goods in conformity with contract	B1	Payment of the price
A2	Licences, authorisations and formalities	B2	Licences, authorisations and formalities
A3	Contracts of carriage and insurance	B3	Contracts of carriage and insurance
A4	Delivery	B4	Taking delivery
A5	Transfer of risks	B5	Transfer of risks
A6	Division of costs	B6	Division of costs
A7	Notice to the buyer	B7	Notice to the seller
A8	Proof of delivery, transport document or equivalent electronic message	B8	Proof of delivery, transport document or equivalent electronic message
A9	Checking - packing - marking	B9	Inspection of goods
A10	Other obligations	B10	Other obligations

[Should there be a need to amplify any of the published obligations listed above for the chosen INCOTERM, add them here.]

All other information NOT pertinent to the above is given in the balance of the Goods Information

³ International Chamber of Commerce, Incoterms 2010, Paris, January 2011

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	As stated in the contract document	
2. The requirements for transport are	As stated in the contract document	
3. The delivery place is	Hendrina Power Station Stores(receiving)	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Included in tendered rates
	Arrange access to delivery place	Purchaser
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	As stated in the contract document
For international procurement	Undertake export requirements	Supplier
	Undertake import requirements	Supplier
5. Information to be provided by the Supplier	Title of document	
	Supply of Spares	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
	Supply of certification (material and pressure test certificate) as defined in the component description.	
For international procurement	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

All other information NOT pertinent to the above is given in the balance of the Goods Information

Annexure B: Insurance provided by the *Purchaser*

These notes are provided as guidance to tendering suppliers and the Supplier about the insurance provided by the Purchaser. These notes are not part of this contract. The Supplier must obtain its own advice.

Transit insurance of goods originating from outside the borders of the Republic of South Africa

For the purpose of supply contracts, the only insurance provided by Eskom (the *Purchaser*) is transit shipment cover, commonly known as Marine Insurance for air, sea, rail and road freight (including local land arrangements) for conveyance of *goods* originating outside RSA. Please consult the website stated below to ascertain whether Format A, Format B or Format Dx is applicable to this contract and then the

- Marine Insurance Policy wording;
- Eskom Shipment Policies and Procedures – note a pre-shipment survey form has to be completed under certain circumstances;
- Marine Claims Handling Procedures – for important shipment actions and claims forms in event of damages to cargo freight via sea, barge, air, road or rail.

For EXW (Ex Works collections) this is of no concern to the *Supplier* but for any other Supply Requirement (such as CIF, DDU, or DDP) the *Supplier* need not provide such insurance even if the INCOTERM requires it and tendering suppliers should 'discount' their prices when tendering to allow for this provision by the *Purchaser* (Eskom).

Supplier's liability for damage to the Purchaser's property

Whilst this is a liability the *Supplier* carries and should cover (if he is required to deliver the *goods* to the *Purchaser's* premises) his liability is limited to the amount of cover provided to the *Purchaser* within his assets policy. This amount varies depending on the Division within Eskom to which the *Supplier* is making the delivery. For any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance the *Supplier's* liability would be:

- R15million for Generation Division projects,

All other insurance

As required by clause 84, the *Supplier* provides all other insurance for his risks. The *Supplier* should give further consideration to providing for these additional insurance concepts [for amounts and periods of insurance the *Supplier* deems fit and necessary].

Professional Indemnity: The insurance provided shall indemnify the *Supplier* (and/or his professional consultant) for those sums which the *Supplier* or his consultant shall become legally liable to pay as damages arising from any claim first made against the *Supplier* / consultant and reported to their insurers during the Period of Insurance, directly arising out of any negligent act, error or omission committed or alleged to have been committed by the *Supplier* / consultant in the conduct of **professional services** (for example, design) in connection with this contract.

Products Liability: A special General Liability extension for liability arising out of the *Supplier's* **defective**:

- production and manufacturing process (workmanship or material), or
- product design, or
- warnings, instructions, usage and maintenance manuals and specifications.

For any further explanation of insurance requirements tendering suppliers are advised to consult their brokers or insurers who may in turn contact Eskom Insurance Management Services per contact details provided on the following website:

http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx

C1.2 Contract Data

Part two - Data provided by the *Supplier*

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Clause	Statement	Data								
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.									
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:									
11.2(11)	The tendered total of the Prices is	R , (in words)								
11.2(12)	The <i>price schedule</i> is in:									
11.2(14)	The following matters will be included in the Risk Register									
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are									
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table><thead><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr></thead><tbody><tr><td>1</td><td>[•]As per batch order</td></tr><tr><td>2</td><td>[•]</td></tr><tr><td>3</td><td>[•]</td></tr></tbody></table>	<i>goods and services</i>	<i>delivery date</i>	1	[•]As per batch order	2	[•]	3	[•]
<i>goods and services</i>	<i>delivery date</i>									
1	[•]As per batch order									
2	[•]									
3	[•]									
31.1	The programme identified in the Contract Data is contained in:									
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%								

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title
C2.1	Pricing assumptions
C2.2	The <i>price schedule</i>

C2.1 Pricing assumptions

How *goods* and *services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate. (12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	<p>The amount due is</p> <ul style="list-style-type: none">• the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed,• where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate,• plus other amounts to be paid to the <i>Supplier</i>,• less amounts to be paid by or retained from the <i>Supplier</i>. <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

Function of the Price Schedule

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Supplier* Provides the Goods and Services in accordance with the Goods Information". Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

Preparing the *price schedule*

Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;

- Spread the cost of doing work he chooses not to list as separate items in the *price schedule* across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;
- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

Format of the *price schedule*

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

If the *Supplier* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering supplier enters the amount in the Price column only, the Unit, Quantity and Rate columns being left blank.

If the *Supplier* is to be paid an amount for the item which is the rate for the item multiplied by the quantity completed, the tendering *Supplier* enters the rate which is then multiplied by the Quantity to produce the Price, which is also entered.

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

C2.2 the *price schedule*

Spares requirement

Material	Short Text	Quantity requested	Unit of Measure
0001036	BOLT ASSY:VERANDAH;M6;LG 25 MM;MS;1 MM;1	200	EA
0001037	BOLT ASSY:VERANDAH;M6;LG 50 MM;MS;1 MM;1	200	EA
0080552	SCREW CAP:3/4 IN;LG 1-1/2 IN;10BSW;HEX	400	EA
0001045	SCREW SELF TAPNG:NO 8;LG 40 MM;GIMLET	800	EA
0001152	WASHER FLAT:6BA;ID 3.2 MM;6.55 MM;BRS;RD	200	EA
0001153	NUT HEX:6BA;0.53 MM;7/64 IN;BRS;C10100	800	EA
0001154	NUT HEX:2BA;0.0319 IN;11/64 IN;BRS;BS 57	200	EA
0001244	NAIL:COMMON WIRE;LG 50 MM;THK 2.5 MM;STL	200	KG
0080369	SCREW WOOD:LG 40 MM;CSK FLAT SLOTTED;STL	700	EA
0080389	SCREW MACH:0BA;LG 12 MM;CSK FLAT SLOTTED	200	EA
0080412	SCREW MACH:3BA;LG 25 MM;CHEESE SLOTTED	800	EA
0080414	SCREW MACH:3BA;LG 50 MM;CHEESE SLOTTED	200	EA
0080441	SCREW MACH:M6;LG 12 MM;1 MM;MS;GALV	700	EA
0080443	SCREW WOOD:LG 16 MM;CSK FLAT SLOTTED;STL	200	EA
0080444	SCREW WOOD:LG 12 MM;CSK FLAT SLOTTED;STL	700	EA
0080525	SCRW SET:5/16 IN;18BSW;1 IN;HEX;MS	400	EA
0080526	SCRW SET:5/16 IN;18BSW;1-1/2 IN;HEX;MS	200	EA
0080533	SCRW SET:3/8 IN;16BSW;1-1/2 IN;HEX;FLAT	200	EA
0080536	SCREW CAP:3/8 IN;LG 3 IN;16BSW;HEX;HTS	200	EA
0080543	SCREW CAP:1/2 IN;LG 4 IN;12BSW;HEX;HTS	200	EA
0080544	SCRW SET:5/8 IN;11BSW;1-1/2 IN;HEX;MS	200	EA
0080546	SCRW SET:5/8 IN;BSW;1-1/2 IN;HEX;FLAT	700	EA
0080547	SCREW CAP:5/8 IN;LG 2 IN;11BSW;HEX;HTS	1 200	EA
0080548	SCRW SET:5/8 IN;11BSW;2-1/2 IN;HEX;FLAT	400	EA
0080553	SCRW SET:3/4 IN;10BSW;2 IN;HEX;MS;FLAT	400	EA
0080555	SCREW CAP:3/4 IN;LG 3 IN;10BSW;HEX;12.9	400	EA
0080557	SCREW CAP:7/8 IN;LG 2 IN;9BSW;HEX;12.9	400	EA
0080567	SCREW CAP:1/4 IN;LG 1 IN;20BSW;HTS	400	EA
0080568	SCREW CAP:1/4 IN;LG 1-1/2 IN;20BSW;HTS	400	EA
0080571	SCREW CAP:5/16 IN;LG 1 IN;18BSW;12.9	900	EA
0080574	SCREW CAP:3/8 IN;LG 1 IN;16BSW;12.9	900	EA
0080575	SCREW CAP:3/8 IN;LG 1-1/2 IN;16BSW;HTS	400	EA
0080577	SCREW CAP:1/2 IN;LG 1 IN;12BSW;HTS;12.9	400	EA
0080578	SCREW CAP:1/2 IN;LG 1-1/2 IN;12BSW;HTS	400	EA
0080580	SCREW CAP:5/8 IN;LG 1 IN;11BSW;HTS;12.9	400	EA
0080590	SCREW CAP:3/8 IN;LG 1-1/2 IN;20BSF;HTS	900	EA
0080596	SCRW SET:3/16 IN;24BSW;1/4 IN;SOCKET HEX	400	EA
0080598	SCRW SET:1/4 IN;20BSW;1/4 IN;SOCKET HEX	400	EA
0080600	SCRW SET:1/4 IN;20BSW;1/2 IN;SOCKET HEX	1 400	EA
0080603	SCREW CAP:5/16 IN;LG 3/8 IN;18BSW;HTS	400	EA
0080607	SCRW SET:3/8 IN;16BSW;3/8 IN;SOCKET HEX	400	EA

0080608	SCRW SET:3/8 IN;26BSW;1/2 IN;SOCKET HEX	400	EA
0080641	SCREW CAP:5/16 IN;LG 2 IN;22BSF;HEX;HTS	400	EA
0080652	SCREW LAG:5/8 IN;LG 3-1/2 IN;14BSF;HEX	400	EA
0080733	SCREW CAP:M6;LG 50 MM;1 MM;HEX;HTS;8.8	400	EA
0080735	SCREW CAP:M8;LG 20 MM;1.25 MM;HEX;HTS	800	EA
0080736	SCREW MACH:M8;LG 25 MM;1.25 MM;HEX;HTS	800	EA
0080739	SCREW CAP:M10;LG 25 MM;1.5 MM;HEX;HTS	400	EA
0080742	SCREW CAP:M12;LG 25 MM;1.75 MM;HEX;HTS	800	EA
0080746	SCRW SET:M12;1.75 MM;50 MM;HEX;HTS;FLAT	1 000	EA
0080760	SCREW CAP:M6;LG 25 MM;1 MM;SOCKET HEX	200	EA
0080767	SCREW CAP:M10;LG 25 MM;1.5 MM;SOCKET HEX	600	EA
0080783	SCREW CAP:M8;LG 25 MM;1.25 MM;SOCKET HEX	400	EA
0080819	SCRW SET:M6;1 MM;6 MM;SOCKET HEX;AS;CUP	200	EA
0080824	SCRW SET:M8;1.25 MM;10 MM;SOCKET HEX;AS	200	EA
0080876	SCREW MACH:2BA;LG 10 MM;CHEESE SLOTTED	200	EA
0080882	SCREW MACH:0BA;LG 50 MM;0BA;STL;4.6	1 600	EA
0080920	SCREW MACH:M5;LG 25 MM;0.8 MM;STL	1 000	EA
0080955	SCRW SET:M5;0.8 MM;6 MM;SOCKET HEX;AS	200	EA
0080956	SCRW SET:M10;1.5 MM;12 MM;HTS GR 8.8;CUP	200	EA
0080979	SCRW SET:M16;2 MM;40 MM;HEX;HTS;SABS136	700	EA
0081997	SCREW SELF TAPNG:NO 4;LG 12 MM;GIMLET	700	EA
0082028	SCREW MACH:1/2 IN;LG 2-1/2 IN;12BSW;STL	350	EA
0082085	SCREW CAP:M6;LG 50 MM;1 MM;SOCKET HEX	350	EA
0082087	SCREW CAP:M8;LG 50 MM;1.25 MM;SOCKET HEX	200	EA
0082090	SCREW CAP:M10;LG 75 MM;1.5 MM;SOCKET HEX	200	EA
0082091	SCREW CAP:M12;LG 50 MM;1.75 MM;HTS;12.9	200	EA
0082093	SCREW CAP:M12;LG 75 MM;1.75 MM;HTS;12.9	200	EA
0082675	SCREW CAP:M10;LG 50 MM;HEX;HTS	200	EA
0082676	SCREW CAP:M24;LG 75 MM;3 MM;HEX;HTS;8.8	200	EA
0082677	SCREW CAP:M30;LG 100 MM;3.5 MM;HEX;HTS	350	EA
0083002	SCRW SET:M10;1.5 MM;35 MM;HEX;HTS	1 800	EA
0083154	SCREW CAP:M24;LG 50 MM;3 MM;HEX;HTS;8.8	200	EA
0083555	SCREW CAP:3/8 IN;LG 2-1/2 IN;20BSF;HTS	600	EA
0083575	BOLT MACH:M10;LG 90 MM;HEX;8.8;HTS	400	EA
0083583	BOLT ASSY:GP;M16;LG 50 MM;HEX;4.6;MS;50	3 000	KG
0083584	BOLT ASSY:GP;M16;LG 65 MM;HEX;4.6;MS;40	1 500	KG
0083588	BOLT ASSY:GP;M20;LG 40 MM;HEX;4.6;MS;30	900	KG
0083601	BOLT ASSY:GP;M20;LG 65 MM;HEX;4.6;MS;50	4 000	KG
0083602	BOLT ASSY:M20;LG 180 MM;HEX;MS;2.5 MM;1	900	KG
0083624	BOLT ASSY:GP;M16;LG 25 MM;HEX;4.6;MS;22	800	KG
0083627	BOLT ASSY:M20;LG 90 MM;HEX;MS;2.5 MM;1	400	KG
0083650	BOLT MACH:M6;LG 40 MM;HEX;8.8;0.5 MM	200	EA
0083654	BOLT MACH:M8;LG 40 MM;HEX;8.8;HTS	200	EA
0083659	BOLT MACH:M10;LG 50 MM;HEX;8.8;HTS;48 MM	200	EA
0083660	BOLT MACH:M10;LG 65 MM;HEX;8.8;HTS	400	EA
0083662	BOLT MACH:M12;LG 40 MM;HEX;8.8;HTS;30 MM	3 000	EA
0083664	BOLT MACH:3940-056;M12;LG 50 MM;HEX;8.8	400	EA
0083665	BOLT ASSY:MULTI PURPOSE;M16;LG 65 MM;HEX	11 000	EA
0083667	BOLT ASSY:HTS;M16;LG 50 MM;HEX;8.8;HTS;1	1 500	EA
0083669	BOLT MACH:M16;LG 100 MM;HEX;8.8;HTS;2 MM	500	EA
0083670	BOLT MACH:M20;LG 65 MM;HEX;8.8;HTS	700	EA
0083672	BOLT MACH:M20;LG 75 MM;HEX;8.8;HTS	700	EA
0083673	BOLT ASSY:GP;M20;LG 90 MM;HEX;8.8;HTS;50	1 100	EA

0083674	BOLT ASSY:GP;M20;LG 100 MM;HEX;8.8;HTS;1	500	EA
0083675	BOLT ASSY:M24;LG 75 MM;HEX;8.8;HTS;3 MM	1 800	EA
0083676	BOLT MACH:M24;LG 100 MM;HEX;8.8;HTS;3 MM	3 500	EA
0083695	BOLT MACH:M12;LG 30 MM;HEX;8.8;HTS	200	EA
0083698	BOLT MACH:M16;LG 125 MM;HEX;8.8;HTS;2 MM	200	EA
0083701	BOLT MACH:M20;LG 125 MM;HEX;8.8;HTS	700	EA
0083711	BOLT MACH:M8;LG 25 MM;HEX;8.8;HTS	200	EA
0083713	BOLT MACH:M20;LG 50 MM;HEX;8.8;HTS;45 MM	1 100	EA
0083938	BOLT MACH:M12;LG 75 MM;HEX;8.8;HTS;32 MM	600	EA
0083942	BOLT MACH:M20;LG 150 MM;HEX;8.8;HTS	600	EA
0083944	BOLT MACH:M20;LG 200 MM;HEX;8.8;HTS	300	EA
0084341	BOLT ASSY:1/4 IN;LG 1 IN;HEX;MS;20BSW;1	200	EA
0084359	BOLT ASSY:5/8 IN;LG 1-1/2 IN;HEX;11BSW;1	200	EA
0084364	BOLT ASSY:5/8 IN;LG 4 IN;HEX;4.6;11BSW;1	500	EA
0084367	BOLT ASSY:3/4 IN;LG 2 IN;HEX;4.6;MS;1	500	EA
0084534	BOLT ASSY:M10;LG 30 MM;HEX;MS;1.5 MM	700	KG
0084536	BOLT ASSY:GP;M16;LG 45 MM;HEX;MS;25 MM;1	1 500	KG
0084552	BOLT ASSY:GP;M6;LG 150 MM;HEX;4.6;MS;30	500	KG
0084553	BOLT ASSY:GP;M8;LG 25 MM;HEX;4.6;MS;25;1	400	KG
0084556	BOLT ASSY:GP;M8;LG 65 MM;HEX;4.6;MS;25;1	700	KG
0084567	BOLT ASSY:GP;M10;LG 100 MM;HEX;4.6;MS;27	400	KG
0084571	BOLT ASSY:GP;M12;LG 25 MM;HEX;4.6;MS;25	1 500	KG
0084572	BOLT ASSY:GP;M12;LG 40 MM;HEX;4.6;MS;30	900	KG
0084574	BOLT ASSY:GP;M12;LG 50 MM;HEX;4.6;MS;30	1 100	KG
0084575	BOLT ASSY:GP;M12;LG 65 MM;HEX;4.6;MS;33	900	KG
0084576	BOLT ASSY:GP;M12;LG 75 MM;HEX;4.6;MS;35	900	KG
0084584	BOLT ASSY:M12;LG 180 MM;HEX;MS;1.75 MM;1	900	KG
0084589	BOLT ASSY:GP;M16;LG 75 MM;HEX;4.6;MS;38	3 800	KG
0084590	BOLT ASSY:GP;M16;LG 100 MM;HEX;4.6;MS;40	1 800	KG
0084592	BOLT ASSY:GP;M16;LG 125 MM;HEX;4.6;MS;40	500	KG
0084600	BOLT ASSY:GP;M20;LG 75 MM;HEX;4.6;MS;48	3 500	KG
0084601	BOLT ASSY:GP;M20;LG 100 MM;HEX;4.6;MS;55	1 500	KG
0084602	BOLT ASSY:GP;M20;LG 115 MM;HEX;4.6;MS;48	500	KG
0084605	BOLT ASSY:GP;M20;LG 150 MM;HEX;4.6;MS;55	500	KG
0084606	BOLT ASSY:GP;M20;LG 200 MM;HEX;4.6;MS;55	200	KG
0084611	BOLT ASSY:GP;M24;LG 75 MM;HEX;4.6;MS;75	1 300	KG
0084613	BOLT ASSY:GP;M24;LG 100 MM;HEX;4.6;MS;57	900	KG
0084614	BOLT ASSY:M24;LG 115 MM;HEX;MS;3 MM;1	800	KG
0084621	BOLT ASSY:GP;M6;LG 50 MM;HEX;4.6;MS;23;1	800	KG
0084622	BOLT ASSY:GP;M6;LG 65 MM;HEX;4.6;MS;20;1	600	KG
0084645	BOLT MACH:M30;LG 140 MM;HEX;8.8;HTS	400	EA
0085120	BOLT ASSY:M12;LG 280 MM;1	200	EA
0085134	BOLT ASSY:M30;LG 100 MM;HEX;MS;3.5 MM	2 200	EA
0085171	BOLT ASSY:M24;LG 125 MM;HEX;HTS;3 MM;1	200	EA
0085496	BOLT MACH:M12;LG 65 MM;HEX;8.8;HTS	400	EA
0085585	BOLT MACH:M16;LG 80 MM;HEX;8.8;HTS;2 MM	1 500	EA
0085754	STUD DBL END:LG 2 IN;5/8 IN;5/8 IN;STL	200	EA
0085755	STUD DBL END:LG 2-1/2 IN;5/8 IN;5/8 IN	200	EA
0085756	STUD DBL END:LG 3 IN;5/8 IN;5/8 IN;MS	200	EA
0087478	WASHER FLAT:M8;17 MM;THK 1 MM;BRS BS 265	200	EA
0087485	WASHER FLAT:M6;ID 6.5 MM;13.8 MM;THK 1	200	EA
0087488	WASHER FLAT:M12;ID 13 MM;25 MM;THK 1.5	200	EA
0087491	WASHER FLAT:M22;ID 24 MM;42 MM;THK 1.8	200	EA

0087493	WASHER FLAT:3/16 IN;7/16 IN;THK 1/32 IN	200	EA
0087494	WASHER FLAT:6 MM;ID 6 MM;12 MM;THK 0.5	500	EA
0087495	WASHER FLAT:M8;ID 8.4 MM;16.7 MM;THK 1	400	EA
0087498	WASHER FLAT:ID 13 MM;24 MM;THK 1.5 MM	200	EA
0087500	WASHER FLAT:M20;ID 20.4 MM;39 MM;THK 2.3	200	EA
0087501	WASHER FLAT:M22;ID 23 MM;39 MM;THK 2 MM	500	EA
0087502	WASHER FLAT:M27;47 MM;THK 1.93 MM	200	EA
0087511	WASHER LK:ID 6.6 MM;OD 10.6 MM;THK 2 MM	900	EA
0087514	WASHER LK:ID 12.4 MM;OD 17.9 MM;THK 2.35	700	EA
0087515	WASHER LK:ID 17 MM;OD 24.3 MM;THK 3.6 MM	400	EA
0087517	WASHER LK:ID 23 MM;OD 33.7 MM;THK 4.8 MM	500	EA
0087531	WASHER FLAT:2BA;ID 5 MM;10 MM;THK 0.75	200	EA
0087532	WASHER FLAT:3BA;ID 4.2 MM;10.5 MM;BRS;RD	200	EA
0087533	WASHER FLAT:4BA;ID 4 MM;9 MM;THK 1 MM;RD	200	EA
0087535	WASHER FLAT:7BA;ID 2.5 MM;5.2 MM;BRS	200	EA
0087540	WASHER FLAT:1BA;ID 5.5 MM;11.25 MM;STL	400	EA
0087542	WASHER FLAT:3BA;ID 4.1 MM;10.68 MM	200	EA
0087543	WASHER FLAT:4BA;ID 4.2 MM;8.62 MM;STL	200	EA
0087544	WASHER FLAT:5BA;ID 3 MM;8 MM;THK 0.6 MM	200	EA
0087545	WASHER FLAT:6BA;ID 2.8 MM;7.12 MM;STL;RD	200	EA
0087546	WASHER FLAT:7BA;ID 2.7 MM;5.2 MM;STL;RD	200	EA
0087547	WASHER FLAT:81 MM;ID 2.1 MM;4.86 MM;STL	200	EA
0087558	NUT HEX:5BA;0.59 MM;1/8 IN;BRS;C10100	200	EA
0087559	NUT HEX:4BA;0.66 MM;9/64 IN;BRS;C10100	200	EA
0087560	NUT HEX:3BA;0.73 MM;3/32 IN;BRS;C10100	200	EA
0087574	NUT HEX:1/4 IN;20BSW;7/32 IN;MS;8.8	1 100	EA
0087577	NUT HEX:3/8 IN;16BSW;5/16 IN;MS	700	EA
0087578	NUT HEX:1/2 IN;12BSW;7/16 IN;MS GR A	200	EA
0087579	NUT HEX:5/8 IN;11BSW;9/16 IN;MS GR A	200	EA
0087580	NUT HEX:7/8 IN;9BSW;27/32 IN;MS;4.5	200	EA
0087582	NUT HEX:2BA;4 MM;STL	200	EA
0087588	NUT HEX:1/2 IN;12BSW;7/16 IN;BRS	200	EA
0087589	NUT HEX:5/8 IN;11BSW;17/32 IN;BRS	200	EA
0087590	NUT HEX:3/4 IN;10BSW;11/16 IN;BRS	200	EA
0087600	NUT HEX:1BA;5 MM;STL	200	EA
0087601	NUT HEX:3BA;4 MM;STL;4.6	200	EA
0087602	NUT HEX:4BA;3 MM;STL	200	EA
0087603	NUT HEX:5BA;1/8 IN;STL;BS 57 TABLE 6	200	EA
0087619	NUT HEX:5/16 IN;18BSW;1/4 IN;MS BLACK	200	KG
0087622	NUT HEX:1/2 IN;12BSW;7/16 IN;MS BLACK	200	KG
0087624	NUT HEX:3/4 IN;10BSW;21/32 IN;MS	200	EA
0087634	NUT HEX:M6;1 MM;5 MM;MS BLACK;4.8	200	KG
0087636	NUT HEX:M10;1.5 MM;8 MM;MS BLACK;4.8	200	KG
0087637	NUT HEX:M12;1.75 MM;10 MM;MS BLACK;4.6	200	KG
0087638	NUT HEX:M16;2 MM;13 MM;MS BLACK;4.6	200	KG
0087639	NUT HEX:M20;2.5 MM;15.5 MM;MS BLACK;4.6	200	KG
0087641	NUT HEX:M30;3.5 MM;24 MM;MS BLACK;4.6	500	KG
0087660	NUT HEX:M8;1.25 MM;6 MM;HTS GR 40;8.8	200	EA
0087661	NUT HEX:M10;1.5 MM;8 MM;HTS;8.8	1 100	EA
0087663	NUT HEX:M6;1 MM;5 MM;HTS;8.8	400	EA
0087666	NUT HEX:0BA;5 MM;STL;BS 57 TABLE 6	400	EA
0087679	NUT HEX:M16;2 MM;12.5 MM;HTS;8;SABS 136	1 500	EA
0087681	NUT HEX:M20;2.5 MM;17 MM;HTS;8.8;DIN 934	1 500	EA

0087685	WASHER FLAT:M30;ID 33 MM;57 MM;THK 4 MM	700	KG
0087698	WASHER FLAT:M6;ID 6.2 MM;12.5 MM;THK 1.6	700	KG
0087699	WASHER FLAT:M8;ID 8.6 MM;17 MM;THK 1.6	400	KG
0087700	WASHER FLAT:M10;ID 12 MM;21 MM;THK 2 MM	900	KG
0087701	WASHER FLAT:M12;ID 13.5 MM;24 MM;THK 2.5	1 600	KG
0087702	WASHER FLAT:M16;ID 17 MM;35 MM;THK 3 MM	1 600	KG
0087703	WASHER FLAT:M20;ID 21 MM;37 MM;THK 3 MM	1 600	KG
0087704	WASHER FLAT:M24;ID 25 MM;44 MM;THK 4.5	1 600	KG
0089621	NUT HEX:M24;3 MM;19 MM;HTS;8.8	2 000	EA
0089623	NUT HEX:M30;3.5 MM;22 MM;HTS;8.8	900	EA
0090415	NUT HEX:M24	200	EA
0090448	WASHER SEALG:16.2 MM;ID 6.35 MM;OD 16.2	2 000	EA
0090516	NUT HEX:5/8 IN;11BSW;SS	200	EA
0094512	WASHER:CISTERN;32 MM;ID 32 MM;OD 62 MM	200	EA
0097556	SEAL OIL:ID 85 MM;OD 110 MM;WD 10 MM;YES	200	EA
0104751	WASHER FLAT:ID 51 MM;87 MM;THK 1.5 MM;CU	200	EA
0001035	BOLT ASSY:VERANDAH;M6;LG 20 MM;STL GALV	200	EA
0001983	BARREL BOLT:GOOSENECK;DIA 7.5 X LG 64 MM	200	EA
0001985	BOLT ANCHR:RAW LOOSE;M6;50 MM;STL;LG 58	2 000	EA
0001986	BOLT ANCHR:RAW LOOSE;M10;75 MM;STL;LG 75	1 500	EA
0019880	BOLT:HOUSING;M24;LG 155 MM;RD;21CRMV57V	500	EA
0022378	BOLT ASSY:M16;LG 90 MM;HEX;8.8;HTS;2 MM	500	EA
0022396	BOLT:EXPANSION;M24;LG 55 MM;HEX;3 MM	200	EA
0026354	BOLT ASSY:COUPLING;M10;LG 50 MM;HEX;8.8	200	EA
0039161	BOLT MACH:7/8 IN;LG 5 IN;HEX;8.8;STL	600	EA
0080442	BOLT ASSY:VERANDAH;M6;LG 38 MM;MS;1 MM	200	EA
0082654	BOLT MACH:1/2 IN;LG 2-1/2 IN;HEX;SS	200	EA
0083585	BOLT ASSY:GP;M16;LG 40 MM;HEX;4.6;MS;25	600	KG
0083602	BOLT ASSY:M20;LG 180 MM;HEX;MS;2.5 MM;1	800	KG
0083603	BOLT MACH:3/8 IN;LG 1-1/2 IN;HEX;BRS	200	EA
0083604	BOLT MACH:3/8 IN;LG 2 IN;HEX;BRS;BS 1083	200	EA
0083605	BOLT ASSY:5/8 IN;LG 2 IN;HEX;BRS;11BSW;1	200	EA
0083606	BOLT ASSY:M8;LG 36 MM;HEX;MS;1.25 MM;1	200	EA
0083607	BOLT MACH:1/2 IN;LG 2 IN;HEX;BRS;12BSW	200	EA
0083608	BOLT ASSY:1/2 IN;LG 3 IN;HEX;BRS;12BSW;1	200	EA
0083647	BOLT MACH:M10;LG 40 MM;HEX;MS;1.5 MM	200	EA
0083655	BOLT ASSY:MULTI PURPOSE;M8;LG 50 MM;HEX	200	EA
0083656	BOLT ASSY:GP;M8;LG 65 MM;HEX;8.8;HTS;25	300	EA
0083657	BOLT ASSY:M8;LG 75 MM;HEX;8.8;HTS;1	300	EA
0083661	BOLT MACH:M10;LG 75 MM;HEX;8.8;HTS;30 MM	200	EA
0083663	BOLT MACH:M12;LG 45 MM;HEX;8.8;HTS	400	EA
0083940	BOLT MACH:M10;LG 100 MM;HEX;8.8;HTS	300	EA
0084219	BOLT MACH:M10;LG 90 MM;HEX;9520K;1.5 MM	300	EA
0084244	PIN STRGHT:LG 116 MM;115CRV3;BOLT	300	EA
0084277	BOLT MACH:18.5 MM;LG 3 IN;HEX;621B;STL	200	EA
0084312	BOLT MACH:M8;LG 45 MM;HEX;8.8;HTS	200	EA
0084313	BOLT MACH:M8;LG 55 MM;HEX;8.8;HTS;GP	200	EA
0084314	BOLT MACH:M8;LG 70 MM;HEX;8.8;HTS	400	EA
0084315	BOLT MACH:M10;LG 45 MM;HEX;8.8;HTS;28 MM	300	EA
0084316	BOLT MACH:M10;LG 55 MM;HEX;8.8;HTS;GP	300	EA

0084317	BOLT MACH:M12;LG 55 MM;HEX;8.8;HTS;GP	500	EA
0084318	BOLT MACH:M20;LG 175 MM;HEX;8.8;HTS;GP	600	EA
0084319	BOLT MACH:M24;LG 125 MM;HEX;8.8;HTS;3 MM	300	EA
0084320	BOLT MACH:M24;LG 50 MM;HEX;8.8;HTS;3 MM	600	EA
0084321	BOLT MACH:M30;LG 100 MM;HEX;8.8;HTS	500	EA
0084322	BOLT MACH:M30;LG 75 MM;HEX;8.8;HTS;GP	300	EA
0084324	BOLT MACH:M16;LG 140 MM;HEX;8.8;HTS;2 MM	300	EA
0084325	BOLT ASSY:GP;M10;LG 30 MM;HEX;8.8;HTS;1	300	EA
0084326	BOLT MACH:M20;LG 80 MM;HEX;8.8;HTS;GP	800	EA
0084327	BOLT ASSY:GP;M20;LG 180 MM;HEX;8.8;HTS;1	300	EA
0084343	BOLT ASSY:1/4 IN;LG 2 IN;HEX;MS;20BSW	200	EA
0084344	BOLT ASSY:1/4 IN;LG 3 IN;HEX;4.6;20BSW;1	200	EA
0084345	BOLT ASSY:5/16 IN;LG 1 IN;HEX;MS;18BSW	200	EA
0084347	BOLT ASSY:5/16 IN;LG 3 IN;HEX;4.6;18BSW	200	EA
0084348	BOLT ASSY:GP;3/8 IN;LG 1 IN;HEX;4.6;25;1	200	EA
0084349	BOLT ASSY:3/8 IN;LG 2 IN;HEX;MS BRIGHT;1	200	EA
0084350	BOLT ASSY:3/8 IN;LG 2-1/2 IN;HEX;16BSW;1	200	EA
0084351	BOLT ASSY:3/8 IN;LG 3 IN;HEX;MS BRIGHT;1	200	EA
0084353	BOLT ASSY:1/2 IN;LG 2 IN;HEX;MS BRIGHT	200	EA
0084354	BOLT ASSY:1/2 IN;LG 2-1/2 IN;HEX;MS;1	200	EA
0084358	BOLT ASSY:1/2 IN;LG 5 IN;HEX;4.6;12BSW;1	200	EA
0084361	BOLT ASSY:5/8 IN;LG 2-1/2 IN;HEX;HTS	200	EA
0084363	BOLT ASSY:5/8 IN;LG 3-1/2 IN;HEX;4.6;1	200	EA
0084366	BOLT ASSY:3/4 IN;LG 1 IN;HEX;MS BRIGHT;1	200	EA
0084368	BOLT ASSY:7/8 IN;LG 3 IN;HEX;MS BRIGHT;1	200	EA
0084369	BOLT ASSY:7/8 IN;LG 3-1/2 IN;HEX;9BSW;1	200	EA
0084370	BOLT ASSY:7/8 IN;LG 5 IN;HEX;MS;9BSW;1	200	EA
0084371	BOLT ASSY:1 IN;LG 4-1/2 IN;HEX;MS;8BSW;1	200	EA
0084372	BOLT ASSY:3/8 IN;LG 1 IN;HEX;MS;16BSW	200	EA
0084373	BOLT ASSY:3/8 IN;LG 1-1/2 IN;HEX;4.6;MS	200	EA
0084375	BOLT ASSY:1/2 IN;LG 2 IN;HEX;MS;12BSW;1	200	EA
0084376	BOLT ASSY:5/8 IN;LG 2 IN;HEX;MS;11BSW;1	200	EA
0084381	BOLT ASSY:5/16 IN;LG 2 IN;HEX;4.6;MS;1	200	EA
0084408	BOLT ASSY:1 IN;LG 3 IN;HEX;MS BRIGHT;1	200	EA
0084411	BOLT ASSY:NIB;M12;LG 40 MM;CSK KEYED;4.6	200	KG
0084413	BOLT ASSY:NIB;M16;LG 65 MM;MS;2 MM;1	400	KG
0084414	BOLT ASSY:NIB;M16;LG 50 MM;CSK KEYED;4.6	200	KG
0084435	BOLT ASSY:MULTI PURPOSE;LG 6 IN;HEX;MS	200	EA
0084436	BOLT ASSY:1-1/2 IN;LG 5-1/2 IN;HEX;MS	200	EA
0084442	BOLT EYE:COLLAR;5/8 IN;3/4 IN;11BSW	200	EA
0084444	BOLT EYE:COLLAR;3/8 IN;1/2 IN;16BSW	200	EA
0084445	BOLT EYE:COLLAR;5/8 IN;7/8 IN;11BSW	200	EA
0084448	BOLT EYE:COLLAR;3/8 IN;1/2 IN;16BSW	200	EA
0084449	BOLT EYE:COLLAR;1/4 IN;5/8 IN;26BSF	200	EA
0084451	BOLT EYE:COLLAR;1 IN;60 MM;800 KG;111 MM	200	EA
0084452	BOLT EYE:COLLAR;2 IN;3 IN;7BSF;BS 4278	200	EA
0084453	BOLT EYE:COLLAR;1-1/4 IN;2 IN;7BSW	200	EA
0084455	BOLT EYE:COLLAR;2 IN;3 IN;4-1/2BSW	200	EA

0084456	BOLT EYE:COLLAR;1-3/4 IN;2-7/8 IN;7BSF	200	EA
0084458	BOLT EYE:COLLAR;7/8 IN;60 MM;800 KG;114	200	EA
0084459	BOLT ASSY:1 IN;LG 8 IN;HEX;STL;8BSW	200	EA
0084558	BOLT ASSY:M8;LG 90 MM;HEX;MS;1.25 MM;1	200	KG
0084591	BOLT ASSY:M16;LG 115 MM;HEX;MS;2 MM;1	1 000	KG
0084593	BOLT ASSY:GP;M16;LG 150 MM;HEX;4.6;MS;45	800	KG
0084594	BOLT ASSY:M16;LG 180 MM;HEX;MS;2 MM;1	800	KG
0084595	BOLT ASSY:GP;M16;LG 200 MM;HEX;4.6;MS;47	800	KG
0084603	BOLT ASSY:GP;M20;LG 125 MM;HEX;4.6;MS;50	800	KG
0084615	BOLT ASSY:GP;M24;LG 125 MM;HEX;4.6;MS;60	800	KG
0084648	BOLT EYE:COLLAR;M10;250 KG;15 MM;1.5 MM	200	EA
0084652	BOLT:BREAKER;M12;LG 16 MM;FLAT;8.8;STL	200	EA
0084654	BOLT EYE:COLLAR;1-1/4 IN;2 IN;9BSF	200	EA
0084664	BOLT EYE:COLLAR;M8;13 MM;1.25 MM;BS 4278	200	EA
0084665	BOLT EYE:COLLAR;M12;400 KG;16 MM;1.75 MM	200	EA
0084666	BOLT EYE:M16;25 MM;2 MM;STL DROP FORGED	200	EA
0084667	BOLT EYE:COLLAR;M20;22 MM;2.5 MM;HTS	200	EA
0085074	BOLT ASSY:M12;LG 45 MM;HEX;1	200	EA
0085092	BOLT ASSY:U;M10;5.6;STL;32 MM;1.5 MM;1	300	EA
0085094	BOLT ASSY:1-1/2 IN;LG 6 IN;HEX;HTS;6BSW	300	EA
0085095	BOLT ASSY:1-1/4 IN;LG 4-3/4 IN;FLAT;STL	200	EA
0085100	BOLT U:M12;85 MM;25 MM;SS GR 316	200	EA
0085101	BOLT EYE:COLLAR;M24;32 MM;3 MM;BS 4278	200	EA
0085102	BOLT T:M24;LG 180 MM;3 MM	800	EA
0085104	BOLT MACH:M20;LG 80 MM;HEX;2.5 MM	200	EA
0085110	BOLT:CONROD;1-1/8 IN;LG 9-3/8 IN;C SHAPE	200	EA
0085111	BOLT MACH:1-3/8 IN;LG 7 IN;HEX;8.8;STL	300	EA
0085118	BOLT ASSY:7/8 IN;LG 4-3/4 IN;HEX;HTS;1	600	EA
0085121	BOLT:EXPANSION;M20;LG 56 MM;21CRMOV57	300	EA
0085122	BOLT MACH:M16;LG 58 MM;HEX;21CRMOV57V	300	EA
0085125	BOLT MACH:M20;LG 45 MM;HEX;BRS;1.5 MM	200	EA
0085126	BOLT MACH:M5;LG 40 MM;SQ;BRS;0.8 MM	200	EA
0085130	BOLT:THRUST;M5;LG 46 MM;SQ;BRS;0.8 MM	200	EA
0085132	BOLT ASSY:M22;LG 75 MM;HEX;MS;2.5 MM;1	200	EA
0085133	BOLT ASSY:M24;LG 50 MM;HEX;MS;3 MM;1	200	EA
0085135	BOLT EYE:COLLAR;1 IN;1-3/8 IN;8BSW	200	EA
0085136	BOLT EYE:COLLAR;1-1/2 IN;2-1/4 IN;6BSW	200	EA
0085137	BOLT ASSY:1-1/4 IN;LG 5-1/2 IN;HEX;STL	200	EA
0085147	BOLT ASSY:M16;LG 60 MM;HEX;HTS;2 MM;1	500	EA
0085472	BOLT MACH:M30;LG 180 MM;HEX;8.8;HTS	200	EA
0085492	BOLT ASSY:GP;M20;LG 55 MM;HEX;8.8;HTS;45	500	EA
0085554	BOLT MACH:M16;LG 30 MM;HEX;8.8;HTS;2 MM	300	EA
0085579	BOLT MACH:LG 80 MM;HEX;8.8;HTS;1.5 MM	300	EA
0085649	BOLT ASSY:GP;M12;LG 60 MM;HEX;8.8;HTS;32	300	EA
0089353	NUT:TIE BOLT;2-3/8 IN;11 MM;STL	300	EA
0089354	WASHER:TIE BOLT;59 MM;ID 60 MM;OD 110 MM	300	EA
0090501	NUT:TIE BOLT;7/8 IN;9BSW;SS;ISO 9001;316	300	EA
0093180	BOLT ASSY:COUPLING;M20;LG 106 MM;STL	300	EA

0093181	BOLT ASSY:COUPLING;M30;LG 186 MM;STL	300	EA
0093182	BOLT ASSY:COUPLING;M36;LG 225 MM;STL	400	EA
0093186	BOLT:COUPLING;M36;LG 200 MM;STL;4 MM	400	EA
0108520	BOLT ANCHR:RAWL;M5;STL;LG 50 MM	400	EA
0108832	BOLT ANCHR:RAWL;M16;STL;LG 150 MM	400	EA
0173425	BARREL BOLT:PAD;DIA 12 X LG 200 X WD 50	400	EA
0183410	BOLT:LINER;M12;LG 35 MM	400	EA
0222742	BOLT ASSY:MULTI PURPOSE;M20;LG 70 MM;HEX	400	EA
0222743	BOLT ASSY:MULTI PURPOSE;M20;LG 85 MM;HEX	700	EA
0222744	BOLT ASSY:MULTI PURPOSE;M12;LG 45 MM;HEX	1 500	EA
0222745	BOLT ASSY:MULTI PURPOSE;M20;LG 60 MM;HEX	600	EA
0222746	BOLT ASSY:MULTI PURPOSE;M20;LG 225 MM;1	600	EA
0225738	BOLT MACH:M30;LG 230 MM;HEX;GR E62;3 MM	600	EA
0225749	BOLT ASSY:GLAND;M20;LG 90 MM;SQ;GR E62;1	700	EA
0225751	BOLT MACH:M16;LG 115 MM;HEX;GR E62	600	EA
0240299	BOLT:TURBOFLEX COUPLING;12.5 MM;LG 64 MM	400	EA
0244274	NUT:TIE BOLT;34 MM;7 MM;HTS	400	EA
0244275	NUT:TIE BOLT;17 MM;6 MM;HTS	400	EA
0244276	NUT:TIE BOLT;M22;7 MM	400	EA
0244460	BOLT MACH:7/8 IN;LG 78 MM;18 MM;50 MM	400	EA
0247380	BOLT MACH:M30;LG 160 MM;HEX;8.8;TUNGSTEN	800	EA
0247381	BOLT MACH:M30;LG 125 MM;HEX;8.8;TUNGSTEN	600	EA
0247382	BOLT MACH:M30;LG 90 MM;HEX;8.8;TUNGSTEN	300	EA
0247383	BOLT MACH:M24;LG 80 MM;HEX;8.8;TUNGSTEN	300	EA
0247388	BOLT MACH:M24;LG 90 MM;HEX;8.8;TUNGSTEN	300	EA
0247389	BOLT MACH:M24;LG 60 MM;HEX;8.8;TUNGSTEN	300	EA
0247390	BOLT MACH:M16;LG 90 MM;HEX;8.8;TUNGSTEN	300	EA
0247391	BOLT MACH:M16;LG 70 MM;HEX;8.8;TUNGSTEN	300	EA
0576903	BOLT:TURBINE;82 MM;LG 669 MM;HEX;BS970	300	EA
0576904	BOLT:TURBINE;82 MM;LG 808 MM;HEX;BS970	200	EA
0576905	BOLT:TURBINE;82 MM;LG 669 MM;HEADLESS	200	EA
0609561	BOLT:SCREW;22 MM;LG 120 MM;HEX;CAST IRON	200	EA
0620802	BOLT:STUD;1-1/8 IN;LG 6-1/2 IN;HEX;BSP	200	EA
0620806	STUD:BOLT;3/4 IN;BSF;LG 4-1/2 IN;STL 60	200	EA
0625796	BOLT:M24;M24;LG 140 MM;HEX;MS	200	EA
0633637	BOLT:HOLDING;M16;LG 70 MM;HEX;8.8;STL;68	200	EA
0653559	BOLT:VALVE ISOLATION;M24;LG 200 MM;ROUND	200	EA
0655390	BOLT MACH:5/8 IN;LG 60 MM;HEX;8.8;HTS;55	200	EA
0655392	BOLT:HEX HEAD;5/8 IN;LG 40 MM;HEX;8.8	300	EA
0655412	BOLT:HEX HEAD;1/2 IN;LG 50 MM;HEX;8.8	300	EA
0655424	BOLT:HEX HEAD;3/4 IN;LG 40 MM;HEX;BSW;40	300	EA
0655426	BOLT:HEX HEAD;3/4 IN;LG 60 MM;HEX;8.8;60	300	EA
0656145	BOLT:HEX HEAD;34 MM;LG 200 MM;HEX	300	EA
0659407	BOLT:HEX HEAD;1-3/8 IN;LG 175 MM;HEX;HTS	300	EA
0717514	BOLT MACH:M36;LG 100;HEX;8.8;HTS;METRIC	300	EA
0717515	BOLT MACH:M36;LG 140 MM;HEX;8.8;HTS;140	300	EA
0717516	BOLT MACH:M36;LG 160 M;HEX;8.8;HTS;160	300	EA

PART 3: SCOPE OF WORK

SUPPLY AND DELIVER ITEMS LISTED ON THE PRICE SCHEDULE

- Drawings will be provided Annexure C

Document reference	Title
	This cover page
C3.1	<i>Purchaser's</i> Goods Information
C3.2	<i>Supplier's</i> Goods Information

C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

- Supply and delivery Supply and Delivery of Consumable goods at Hendrina Power Station- Main Stores on an "as and when required" basis.

2 Specification and description of the goods

- As per full technical specification given on Goods Information / Price schedule Specifications (include Environmental specification) and drawing Numbers (where applicable).The *Supplier* implements a quality system and maintains the quality system until the delivery of all consumables. The system will be to the *Purchaser's* satisfaction and will be accepted prior to the signing of the *contract*. The *Supplier* will be subject to periodic audits by the *Purchaser* in order to ensure compliance with the system. Any deviations will be corrected to the *Purchaser's* satisfaction.

Technical Specifications

Material No	Material Description	Full Description
1036	BOLT ASSY:VERANDAH;M6;LG 25 MM;MS;1 MM	BOLT, ASSEMBLY: TYPE: VERANDAH; NOMINAL DIAMETER: M6; LENGTH: 25 MM; HEAD: MUSHROOM SLOTTED; MATERIAL: MS; THREAD: 1 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: ZN PLTD; GUTTER, SUPPLY D31
1037	BOLT ASSY:VERANDAH;M6;LG 50 MM;MS;1 MM	BOLT, ASSEMBLY: TYPE: VERANDAH; NOMINAL DIAMETER: M6; LENGTH: 50 MM; HEAD: MUSHROOM SLOTTED; MATERIAL: MS; THREAD: 1 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: ZN PLTD; GUTTER
80552	SCREW CAP:3/4 IN;LG 1-1/2 IN;10BSW;HEX	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 1-1/2 IN; THREAD: 10BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9
1045	SCREW SELF TAPNG:NO 8;LG 40 MM;GIMLET	SCREW, SELF TAPPING: DIAMETER: NO 8; LENGTH: 40 MM; HEAD: PAN SLOTTED; MATERIAL: STL CASE HARDENED NI PLTD; POINT: GIMLET; ELECTRO GALVANISED; SUPPLIED IN BOXES OF 200 EACH
1152	WASHER FLAT:6BA;ID 3.2 MM;6.55 MM;BRS	WASHER, FLAT: NOMINAL SIZE: 6BA; INSIDE DIAMETER: 3.2 MM; OUTER SIZE: 6.55 MM; THICKNESS: 0.72 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD
1153	NUT HEX:6BA;0.53 MM;7/64 IN;BRS;C10100	NUT, HEX: DIAMETER: 6BA; THREAD: 0.53 MM; NUT HEIGHT: 7/64 IN; MATERIAL: BRS; GRADE: C10100; SPECIFICATION: BS 57; REFERENCE NO: 6BA; (PRECISION TYPE), THREAD DATA 0.0209 IN PITCH, 0.193 IN (4.902MM) WIDE ACROSS THE FLATS, 0.105 IN (2.667MM) THICK, TABLE 6
1154	NUT HEX:2BA;0.0319 IN;11/64 IN;BRS;BS 57	NUT, HEX: DIAMETER: 2BA; THREAD: 0.0319 IN; NUT HEIGHT: 11/64 IN; MATERIAL: BRS; GRADE: C10100; SPECIFICATION: BS 57; REFERENCE NO: 2BA; (PRECISION TYPE),DIMENSIONS: 0,324INCH ACROSS FLATS. 0.167INCH THICK,TABLE 6
1244	NAIL:COMMON WIRE;LG 50 MM;THK 2.5 MM;STL	NAIL: TYPE: COMMON WIRE; LENGTH: 50 MM; THICKNESS: 2.5 MM; MATERIAL: STL; HEAD

		STYLE: CHECKERED FLAT; DIAMOND POINT STYLE NO: 7, STYLE NO: 16
80369	SCREW WOOD:LG 40 MM;CSK FLAT SLOTTED;STL	SCREW, WOOD: LENGTH: 40 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; COMMERCIAL SIZE: NO 9; 200 PER BOX
80389	SCREW MACH:0BA;LG 12 MM;CSK FLAT SLOTTED	SCREW, MACHINE: DIAMETER: 0BA; LENGTH: 12 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: BRS
80412	SCREW MACH:3BA;LG 25 MM;CHEESE SLOTTED	SCREW, MACHINE: DIAMETER: 3BA; LENGTH: 25 MM; HEAD: CHEESE SLOTTED; MATERIAL: STL; SPECIFICATION: BS 57 TABLE 1
80414	SCREW MACH:3BA;LG 50 MM;CHEESE SLOTTED	SCREW, MACHINE: DIAMETER: 3BA; LENGTH: 50 MM; HEAD: CHEESE SLOTTED; MATERIAL: STL; SPECIFICATION: BS 57 TABLE 3
80441	SCREW MACH:M6;LG 12 MM;1 MM;MS;GALV	SCREW, MACHINE: DIAMETER: M6; LENGTH: 12 MM; THREAD: 1 MM; HEAD: MUSHROOM SLOTTED; MATERIAL: MS; PROTECTIVE COATING: GALV; TYPE: GUTTER; WITH SQUARE NUT
80443	SCREW WOOD:LG 16 MM;CSK FLAT SLOTTED;STL	SCREW, WOOD: LENGTH: 16 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; COMMERCIAL SIZE: NO 4; SPECIFICATION: SABS 1171
80444	SCREW WOOD:LG 12 MM;CSK FLAT SLOTTED;STL	SCREW, WOOD: LENGTH: 12 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; COMMERCIAL SIZE: NO 6; SPECIFICATION: SABS 1171
80525	SCRW SET:5/16 IN;18BSW;1 IN;HEX;MS	SCREW, SET: NOMINAL THREAD DIAMETER: 5/16 IN; THREAD: 18BSW; THREAD LENGTH: 1 IN; HEAD STYLE: HEX; MATERIAL: MS; SPECIFICATION: SABS1083-1965 TABLE 1; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD
80526	SCRW SET:5/16 IN;18BSW;1-1/2 IN;HEX;MS	SCREW, SET: NOMINAL THREAD DIAMETER: 5/16 IN; THREAD: 18BSW; THREAD LENGTH: 1-1/2 IN; HEAD STYLE: HEX; MATERIAL: MS; SPECIFICATION: SABS1803-1965 TABLE 1; 28 TON TENSILE STRENGTH
80533	SCRW SET:3/8 IN;16BSW;1-1/2 IN;HEX;FLAT	SCREW, SET: NOMINAL THREAD DIAMETER: 3/8 IN; THREAD: 16BSW; THREAD LENGTH: 1-1/2 IN; HEAD STYLE: HEX; MATERIAL: MS GR 4.6; POINT STYLE: FLAT; SPECIFICATION: SABS1803-1965 TABLE 1
80536	SCREW CAP:3/8 IN;LG 3 IN;16BSW;HEX;HTS	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 3 IN; THREAD: 16BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1
80543	SCREW CAP:1/2 IN;LG 4 IN;12BSW;HEX;HTS	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 4 IN; THREAD: 12BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1
80544	SCRW SET:5/8 IN;11BSW;1-1/2 IN;HEX;MS	SCREW, SET: NOMINAL THREAD DIAMETER: 5/8 IN; THREAD: 11BSW; THREAD LENGTH: 1-1/2 IN; HEAD STYLE: HEX; MATERIAL: MS; SPECIFICATION: SABS1083-1965 TABLE 1; 28 TON TENSILE STRENGTH

80546	SCRW SET:5/8 IN;BSW;1-1/2 IN;HEX;FLAT	SCREW, SET: NOMINAL THREAD DIAMETER: 5/8 IN; THREAD: BSW; THREAD LENGTH: 1-1/2 IN; HEAD STYLE: HEX; MATERIAL: MS GR 8.8; POINT STYLE: FLAT; SPECIFICATION: BS2470
80547	SCREW CAP:5/8 IN;LG 2 IN;11BSW;HEX;HTS	SCREW, CAP: DIAMETER: 5/8 IN; LENGTH: 2 IN; THREAD: 11BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9
80548	SCRW SET:5/8 IN;11BSW;2-1/2 IN;HEX;FLAT	SCREW, SET: NOMINAL THREAD DIAMETER: 5/8 IN; THREAD: 11BSW; THREAD LENGTH: 2-1/2 IN; HEAD STYLE: HEX; MATERIAL: HTS GR 8.8; POINT STYLE: FLAT; SPECIFICATION: DIN558
80553	SCRW SET:3/4 IN;10BSW;2 IN;HEX;MS;FLAT	SCREW, SET: NOMINAL THREAD DIAMETER: 3/4 IN; THREAD: 10BSW; THREAD LENGTH: 2 IN; HEAD STYLE: HEX; MATERIAL: MS; POINT STYLE: FLAT
80555	SCREW CAP:3/4 IN;LG 3 IN;10BSW;HEX;12.9	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 3 IN; THREAD: 10BSW; HEAD: HEX; MATERIAL: MS BRIGHT; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1
80557	SCREW CAP:7/8 IN;LG 2 IN;9BSW;HEX;12.9	SCREW, CAP: DIAMETER: 7/8 IN; LENGTH: 2 IN; THREAD: 9BSW; HEAD: HEX; MATERIAL: STL BRIGHT; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1
80567	SCREW CAP:1/4 IN;LG 1 IN;20BSW;HTS	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973
80568	SCREW CAP:1/4 IN;LG 1-1/2 IN;20BSW;HTS	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1-1/2 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9
80571	SCREW CAP:5/16 IN;LG 1 IN;18BSW;12.9	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 1 IN; THREAD: 18BSW; HEAD: SOCKET HEX; MATERIAL: STL ALLOY HIGH GR; GRADE: 12.9; SPECIFICATION: BS 2470-1973; SUPPL P/N: 2470:1973; 180,000 LBF/IN2 MIN T.S.; 108.000LBF/IN2 SHEAR; KNURLED HEAD
80574	SCREW CAP:3/8 IN;LG 1 IN;16BSW;12.9	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: STL ALLOY HIGH GR; GRADE: 12.9; SPECIFICATION: BS 2470
80575	SCREW CAP:3/8 IN;LG 1-1/2 IN;16BSW;HTS	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: BS 2470-1973
80577	SCREW CAP:1/2 IN;LG 1 IN;12BSW;HTS;12.9	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1 IN; THREAD: 12BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 2470
80578	SCREW CAP:1/2 IN;LG 1-1/2 IN;12BSW;HTS	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1-1/2 IN; THREAD: 12BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973
80580	SCREW CAP:5/8 IN;LG 1 IN;11BSW;HTS;12.9	SCREW, CAP: DIAMETER: 5/8 IN; LENGTH: 1 IN; THREAD: 11BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION:

		BS 2470
80590	SCREW CAP:3/8 IN;LG 1-1/2 IN;20BSF;HTS	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; THREAD: 20BSF; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470
80596	SCRW SET:3/16 IN;24BSW;1/4 IN;SOCKET HEX	SCREW, SET: NOMINAL THREAD DIAMETER: 3/16 IN; THREAD: 24BSW; THREAD LENGTH: 1/4 IN; HEAD STYLE: SOCKET HEX; MATERIAL: HTS; POINT STYLE: CUP KNURLED; SPECIFICATION: BS2470-1973 TABLE 6B; HEADLESS; GRADE: 12.9
80598	SCRW SET:1/4 IN;20BSW;1/4 IN;SOCKET HEX	SCREW, SET: NOMINAL THREAD DIAMETER: 1/4 IN; THREAD: 20BSW; THREAD LENGTH: 1/4 IN; HEAD STYLE: SOCKET HEX; MATERIAL: AS GR 4.6; POINT STYLE: CUP KNURLED; SPECIFICATION: BS2470 TABLE 6B
80600	SCRW SET:1/4 IN;20BSW;1/2 IN;SOCKET HEX	SCREW, SET: NOMINAL THREAD DIAMETER: 1/4 IN; THREAD: 20BSW; THREAD LENGTH: 1/2 IN; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP KNURLED; SPECIFICATION: BS2470 TABLE 6; HEADLESS; GRUB
80603	SCREW CAP:5/16 IN;LG 3/8 IN;18BSW;HTS	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 3/8 IN; THREAD: 18BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973 TABLE 6B; GRUB
80607	SCRW SET:3/8 IN;16BSW;3/8 IN;SOCKET HEX	SCREW, SET: NOMINAL THREAD DIAMETER: 3/8 IN; THREAD: 16BSW; THREAD LENGTH: 3/8 IN; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP KNURLED; SPECIFICATION: BS2470; HEADLESS; GRUB
80608	SCRW SET:3/8 IN;26BSW;1/2 IN;SOCKET HEX	SCREW, SET: NOMINAL THREAD DIAMETER: 3/8 IN; THREAD: 26BSW; THREAD LENGTH: 1/2 IN; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP KNURLED; SPECIFICATION: BS2470; HEADLESS
80641	SCREW CAP:5/16 IN;LG 2 IN;22BSF;HEX;HTS	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 2 IN; THREAD: 22BSF; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 1083 TABLE 1
80652	SCREW LAG:5/8 IN;LG 3-1/2 IN;14BSF;HEX	SCREW, LAG: DIAMETER: 5/8 IN; LENGTH: 3-1/2 IN; THREAD: 14BSF; HEAD: HEX; MATERIAL: STL; PRECISION SET SCREWS; POINTED AND FACED UNDER HEAD IN TENSILE STEEL; BSW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
80733	SCREW CAP:M6;LG 50 MM;1 MM;HEX;HTS;8.8	SCREW, CAP: DIAMETER: M6; LENGTH: 50 MM; THREAD: 1 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: SABS 136-TABLE 1
80735	SCREW CAP:M8;LG 20 MM;1.25 MM;HEX;HTS	SCREW, CAP: DIAMETER: M8; LENGTH: 20 MM; THREAD: 1.25 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8

80736	SCREW MACH:M8;LG 25 MM;1.25 MM;HEX;HTS	SCREW, MACHINE: DIAMETER: M8; LENGTH: 25 MM; THREAD: 1.25 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: SABS 136; FULL THREAD LENGTH
80739	SCREW CAP:M10;LG 25 MM;1.5 MM;HEX;HTS	SCREW, CAP: DIAMETER: M10; LENGTH: 25 MM; THREAD: 1.5 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: SABS 136-TABLE 1
80742	SCREW CAP:M12;LG 25 MM;1.75 MM;HEX;HTS	SCREW, CAP: DIAMETER: M12; LENGTH: 25 MM; THREAD: 1.75 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8
80746	SCRW SET:M12;1.75 MM;50 MM;HEX;HTS;FLAT	SCREW, SET: NOMINAL THREAD DIAMETER: M12; THREAD: 1.75 MM; THREAD LENGTH: 50 MM; HEAD STYLE: HEX; MATERIAL: HTS; POINT STYLE: FLAT; SPECIFICATION: DIN931; COURSE THREAD; MEDIUM FIT; GRADE: 8.8
80760	SCREW CAP:M6;LG 25 MM;1 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M6; LENGTH: 25 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1; KNURLED HEAD; ISO METRIC THREAD; MEDIUM FIT
80767	SCREW CAP:M10;LG 25 MM;1.5 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M10; LENGTH: 25 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168; KNURLED HEAD; ISO METRIC THREAD; COARSE THREAD; MEDIUM FIT
80783	SCREW CAP:M8;LG 25 MM;1.25 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M8; LENGTH: 25 MM; THREAD: 1.25 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; 130KGF PER SQUARE MILLIMETRE MINIMUM TENSILE STRENGTH; KNURLED HEAD
80819	SCRW SET:M6;1 MM;6 MM;SOCKET HEX;AS;CUP	SCREW, SET: NOMINAL THREAD DIAMETER: M6; THREAD: 1 MM; THREAD LENGTH: 6 MM; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP; SPECIFICATION: BS4168 TABLE 6; GRUB
80824	SCRW SET:M8;1.25 MM;10 MM;SOCKET HEX;AS	SCREW, SET: NOMINAL THREAD DIAMETER: M8; THREAD: 1.25 MM; THREAD LENGTH: 10 MM; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP; HEADLESS
80876	SCREW MACH:2BA;LG 10 MM;CHEESE SLOTTED	SCREW, MACHINE: DIAMETER: 2BA; LENGTH: 10 MM; HEAD: CHEESE SLOTTED; MATERIAL: BRS; SPECIFICATION: BS 57 TABLE 1
80882	SCREW MACH:0BA;LG 50 MM;0BA;STL;4.6	SCREW, MACHINE: DIAMETER: 0BA; LENGTH: 50 MM; THREAD: 0BA; HEAD: CHEESE SLOTTED; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS 57
80920	SCREW MACH:M5;LG 25 MM;0.8 MM;STL	SCREW, MACHINE: DIAMETER: M5; LENGTH: 25 MM; THREAD: 0.8 MM; HEAD: CHEESE SLOTTED; MATERIAL: STL; SPECIFICATION: SABS 135-1984 PART 1; SUPPLIED IN PACKETS OF 10

80955	SCRW SET:M5;0.8 MM;6 MM;SOCKET HEX;AS	SCREW, SET: NOMINAL THREAD DIAMETER: M5; THREAD: 0.8 MM; THREAD LENGTH: 6 MM; HEAD STYLE: SOCKET HEX; MATERIAL: AS; POINT STYLE: CUP; SPECIFICATION: BS4168 TABLE 6; HEADLESS
80956	SCRW SET:M10;1.5 MM;12 MM;HTS GR 8.8	SCREW, SET: NOMINAL THREAD DIAMETER: M10; THREAD: 1.5 MM; THREAD LENGTH: 12 MM; HEAD STYLE: SOCKET HEX HEADLESS; MATERIAL: HTS GR 8.8; POINT STYLE: CUP; SPECIFICATION: BS4168 TABLE 6
80979	SCRW SET:M16;2 MM;40 MM;HEX;HTS	SCREW, SET: NOMINAL THREAD DIAMETER: M16; THREAD: 2 MM; THREAD LENGTH: 40 MM; HEAD STYLE: HEX; MATERIAL: HTS; SPECIFICATION: SABS136; GRADE: 8.8
81997	SCREW SELF TAPNG:NO 4;LG 12 MM;GIMLET	SCREW, SELF TAPPING: DIAMETER: NO 4; LENGTH: 12 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL CASE HARDENED; POINT: GIMLET
82028	SCREW MACH:1/2 IN;LG 2-1/2 IN;12BSW;STL	SCREW, MACHINE: DIAMETER: 1/2 IN; LENGTH: 2-1/2 IN; THREAD: 12BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS 450 TABLE 2
82085	SCREW CAP:M6;LG 50 MM;1 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M6; LENGTH: 50 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168; KNURLED HEAD; ISO METRIC THREAD; COARSE THREAD MEDIUM FIT
82087	SCREW CAP:M8;LG 50 MM;1.25 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M8; LENGTH: 50 MM; THREAD: 1.25 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1; 130KGF/MM2 MINIMUM TENSILE STRENGTH; 78KGF/MM2 SHEAR; KNURLED HEAD
82090	SCREW CAP:M10;LG 75 MM;1.5 MM;SOCKET HEX	SCREW, CAP: DIAMETER: M10; LENGTH: 75 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; KNURLED ISO METRIC; COARSE THREAD
82091	SCREW CAP:M12;LG 50 MM;1.75 MM;HTS;12.9	SCREW, CAP: DIAMETER: M12; LENGTH: 50 MM; THREAD: 1.75 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168 PART 1; KNURLED HEAD, ISO METRIC THREAD MEDIUM FIT
82093	SCREW CAP:M12;LG 75 MM;1.75 MM;HTS;12.9	SCREW, CAP: DIAMETER: M12; LENGTH: 75 MM; THREAD: 1.75 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168 TABLE 1; SABS 1355; KNURLED HEAD; ISO METRIC; COARSE THREAD; TO THE LATEST EDITION OF SABS
82675	SCREW CAP:M10;LG 50 MM;HEX;HTS	SCREW, CAP: DIAMETER: M10; LENGTH: 50 MM; HEAD: HEX; MATERIAL: HTS
82676	SCREW CAP:M24;LG 75 MM;3 MM;HEX;HTS;8.8	SCREW, CAP: DIAMETER: M24; LENGTH: 75 MM; THREAD: 3 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8
82677	SCREW CAP:M30;LG 100 MM;3.5 MM;HEX;HTS	SCREW, CAP: DIAMETER: M30; LENGTH: 100 MM; THREAD: 3.5 MM; HEAD: HEX; MATERIAL: HTS;

		GRADE: 8.8
83002	SCRW SET:M10;1.5 MM;35 MM;HEX;HTS	SCREW, SET: NOMINAL THREAD DIAMETER: M10; THREAD: 1.5 MM; THREAD LENGTH: 35 MM; HEAD STYLE: HEX; MATERIAL: HTS; GRADE: 8.8
83154	SCREW CAP:M24;LG 50 MM;3 MM;HEX;HTS;8.8	SCREW, CAP: DIAMETER: M24; LENGTH: 50 MM; THREAD: 3 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8
83555	SCREW CAP:3/8 IN;LG 2-1/2 IN;20BSF;HTS	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 2-1/2 IN; THREAD: 20BSF; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1; 28 TON TENSILE STRENGHT
83575	BOLT MACH:M10;LG 90 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M10; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; SPECIFICATION: DIN 931
83583	BOLT ASSY:GP;M16;LG 50 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 50 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT, ISOMETRIC; SPECIFICATION: SABS135
83584	BOLT ASSY:GP;M16;LG 65 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; SPECIFICATION: SABS 135
83588	BOLT ASSY:GP;M20;LG 40 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; SPECIFICATION: SABS 135
83601	BOLT ASSY:GP;M20;LG 65 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 50 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
83602	BOLT ASSY:M20;LG 180 MM;HEX;MS;2.5 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 180 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2.5 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS135
83624	BOLT ASSY:GP;M16;LG 25 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 25 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 22 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK;

		SPECIFICATION: SABS 135
83627	BOLT ASSY:M20;LG 90 MM;HEX;MS;2.5 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 90 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2.5 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; ISO METRIC THREAD, COARSE THREAD FREE FIT, TO THE LATEST EDITION OF SABS135 AND BEARING THE SABS MARK OF APPROVAL; SPECIFICATION: SABS135
83650	BOLT MACH:M6;LG 40 MM;HEX;8.8;0.5 MM	BOLT, MACHINE: DIAMETER: M6; LENGTH: 40 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS DOUBLE HEAT TREATED; THREAD: 0.5 MM; COLOR: BLACK; SPECIFICATION: DIN 931; COARSE, MEDIUM FIT
83654	BOLT MACH:M8;LG 40 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M8; LENGTH: 40 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; SPECIFICATION: DIN 931; WITHOUT NUT
83659	BOLT MACH:M10;LG 50 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M10; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; THREAD LENGTH: 48 MM; SPECIFICATION: DIN 931; PROTECTIVE COATING: BLACK
83660	BOLT MACH:M10;LG 65 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M10; LENGTH: 65 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; SPECIFICATION: DIN 931
83662	BOLT MACH:M12;LG 40 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M12; LENGTH: 40 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; THREAD LENGTH: 30 MM; SPECIFICATION: DIN 931; PROTECTIVE COATING: BLACK; WITHOUT NUT
83664	BOLT MACH:3940-056;M12;LG 50 MM;HEX;8.8	BOLT, MACHINE: DIAMETER: M12; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; THREAD LENGTH: 30 MM; SPECIFICATION: DIN 931; PROTECTIVE COATING: BLACK; TYPE: DIAPHRAGM SUSPENSION; OEM P/N: 3940-056, OEM: GE STEAM POWER SERVICE; WITHOUT NUT; FOR HP/IP/LP TURBINE
83665	BOLT ASSY:MP;M16;LG 65 MM;HEX;8.8;HTS	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 65 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 65 MM; THREAD: 2 MM; NUT QUANTITY: 1; SPECIFICATION: DIN931; WITH NUTS
83667	BOLT ASSY:HTS;M16;LG 50 MM;HEX;8.8;HTS	BOLT, ASSEMBLY: TYPE: HTS; NOMINAL DIAMETER: M16; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 50 MM; THREAD: 2 MM; NUT QUANTITY: 1; SPECIFICATION: DIN931
83669	BOLT MACH:M16;LG 100 MM;HEX;8.8;HTS;2 MM	BOLT, MACHINE: DIAMETER: M16; LENGTH: 100 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM; THREAD LENGTH: 45 MM; SPECIFICATION: SABS 136; PROTECTIVE COATING: BLACK; TYPE: HTS

83670	BOLT MACH:M20;LG 65 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 65 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: DIN 931
83672	BOLT MACH:M20;LG 75 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: DIN 931; COARSE THREAD, MEDIUM FIT, DOUBLE HEAT TREATED
83673	BOLT ASSY:GP;M20;LG 90 MM;HEX;8.8;HTS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 50 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: HTS; NUT GRADE: 8.8; SPECIFICATION: SABS 136
83674	BOLT ASSY:GP;M20;LG 100 MM;HEX;8.8;HTS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 100 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 57 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: HTS; NUT GRADE: 8.8; DOUBLE HEAT TREATED, METRIC COARSE THREAD MEDIUM FIT; SPECIFICATION: SABS 136
83675	BOLT ASSY:M24;LG 75 MM;HEX;8.8;HTS;3 MM	BOLT, ASSEMBLY: NOMINAL DIAMETER: M24; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3 MM; NUT QUANTITY: 1; COARSE THREAD , MEDIUM FIT; SPECIFICATION: DIN 931
83676	BOLT MACH:M24;LG 100 MM;HEX;8.8;HTS;3 MM	BOLT, MACHINE: DIAMETER: M24; LENGTH: 100 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3 MM; THREAD LENGTH: 60 MM; SPECIFICATION: DIN 931; DOUBLE HEAT TREATED, COARSE THREAD, MEDIUM FIT
83695	BOLT MACH:M12;LG 30 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M12; LENGTH: 30 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; SPECIFICATION: DIN 931; DOUBLE HEAT TREATED; METRIC COARSE THREAD, MEDIUM FIT
83698	BOLT MACH:M16;LG 125 MM;HEX;8.8;HTS;2 MM	BOLT, MACHINE: DIAMETER: M16; LENGTH: 125 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM; SPECIFICATION: DIN 931; DOUBLE HEAT TREATED
83701	BOLT MACH:M20;LG 125 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 125 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: DIN 931
83711	BOLT MACH:M8;LG 25 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M8; LENGTH: 25 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; DOUBLE HEAT TREATED, COARSE THREAD, MEDIUM FIT
83713	BOLT MACH:M20;LG 50 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; THREAD LENGTH: 45 MM; DOUBLE HEAT TREATED, COARSE THREAD, MEDIUM FIT
83938	BOLT MACH:M12;LG 75 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M12; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; THREAD LENGTH: 32 MM;

		SPECIFICATION: SABS 136; PROTECTIVE COATING: BLACK; METRIC COARSE THREAD, MEDIUM FIT, DOUBLE HEAT TREATED
83942	BOLT MACH:M20;LG 150 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 150 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: DIN 931
83944	BOLT MACH:M20;LG 200 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M20; LENGTH: 200 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: DIN 931
84341	BOLT ASSY:1/4 IN;LG 1 IN;HEX;MS;20BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/4 IN; LENGTH: 1 IN; HEAD: HEX; MATERIAL: MS; THREAD: 20BSW; NUT QUANTITY: 1
84359	BOLT ASSY:5/8 IN;LG 1-1/2 IN;HEX;11BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 1-1/2 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 11BSW; NUT QUANTITY: 1
84364	BOLT ASSY:5/8 IN;LG 4 IN;HEX;4.6;11BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 4 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS BRIGHT; THREAD: 11BSW; NUT QUANTITY: 1
84367	BOLT ASSY:3/4 IN;LG 2 IN;HEX;4.6;MS;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/4 IN; LENGTH: 2 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD: 10BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 3/4 INCH BSW HEX NUT
84534	BOLT ASSY:M10;LG 30 MM;HEX;MS;1.5 MM	BOLT, ASSEMBLY: NOMINAL DIAMETER: M10; LENGTH: 30 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.5 MM; BOLT PROTECTIVE COATING: BLACK; WITH NUTS; SPECIFICATION: SABS135
84536	BOLT ASSY:GP;M16;LG 45 MM;HEX;MS;25 MM	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 45 MM; HEAD: HEX; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; COARSE THREADED, FREE FIT, SPECIFICATION: SABS 135
84552	BOLT ASSY:GP;M6;LG 150 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M6; LENGTH: 150 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 1 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84553	BOLT ASSY:GP;M8;LG 25 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M8; LENGTH: 25 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 1.25 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; DIN555; SPECIFICATION: SABS 135
84556	BOLT ASSY:GP;M8;LG 65 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M8; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 1.25 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK;

		SPECIFICATION: SABS 135
84567	BOLT ASSY:GP;M10;LG 100 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M10; LENGTH: 100 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 27 MM; THREAD: 1.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84571	BOLT ASSY:GP;M12;LG 25 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 25 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT; SPECIFICATION: SABS 135
84572	BOLT ASSY:GP;M12;LG 40 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84574	BOLT ASSY:GP;M12;LG 50 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84575	BOLT ASSY:GP;M12;LG 65 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 33 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84576	BOLT ASSY:GP;M12;LG 75 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 35 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
84584	BOLT ASSY:M12;LG 180 MM;HEX;MS;1.75 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M12; LENGTH: 180 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.75 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS135
84589	BOLT ASSY:GP;M16;LG 75 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 38 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84590	BOLT ASSY:GP;M16;LG 100 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 100 MM;

		HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84592	BOLT ASSY:GP;M16;LG 125 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 125 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT; SPECIFICATION: SABS 135
84600	BOLT ASSY:GP;M20;LG 75 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 48 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84601	BOLT ASSY:GP;M20;LG 100 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 100 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 55 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84602	BOLT ASSY:GP;M20;LG 115 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 115 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 48 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84605	BOLT ASSY:GP;M20;LG 150 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 150 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 55 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84606	BOLT ASSY:GP;M20;LG 200 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 200 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 55 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; NUT PROTECTIVE COATING: BLACK
84611	BOLT ASSY:GP;M24;LG 75 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M24; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 75 MM; THREAD: 3 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
84613	BOLT ASSY:GP;M24;LG 100 MM;HEX;4.6;MS	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M24; LENGTH: 100 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS;

		THREAD LENGTH: 57 MM; THREAD: 3 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT.; SPECIFICATION: SABS 135
84614	BOLT ASSY:M24;LG 115 MM;HEX;MS;3 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M24; LENGTH: 115 MM; HEAD: HEX; MATERIAL: MS; THREAD: 3 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84621	BOLT ASSY:GP;M6;LG 50 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M6; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 23 MM; THREAD: 1 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84622	BOLT ASSY:GP;M6;LG 65 MM;HEX;4.6;MS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M6; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 20 MM; THREAD: 1 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
84645	BOLT MACH:M30;LG 140 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M30; LENGTH: 140 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3.5 MM; SPECIFICATION: DIN 931; DOUBLE HEAT TREATED
85120	BOLT ASSY:M12;LG 280 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M12; LENGTH: 280 MM; NUT QUANTITY: 1; CARRIAGE
85134	BOLT ASSY:M30;LG 100 MM;HEX;MS;3.5 MM	BOLT, ASSEMBLY: NOMINAL DIAMETER: M30; LENGTH: 100 MM; HEAD: HEX; MATERIAL: MS; THREAD: 3.5 MM; WITH NUTS
85171	BOLT ASSY:M24;LG 125 MM;HEX;HTS;3 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M24; LENGTH: 125 MM; HEAD: HEX; MATERIAL: HTS; THREAD: 3 MM; NUT QUANTITY: 1
85496	BOLT MACH:M12;LG 65 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M12; LENGTH: 65 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; SPECIFICATION: DIN 931
85585	BOLT MACH:M16;LG 80 MM;HEX;8.8;HTS;2 MM	BOLT, MACHINE: DIAMETER: M16; LENGTH: 80 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM; SPECIFICATION: DIN 931
85754	STUD DBL END:LG 2 IN;5/8 IN;5/8 IN;STL	STUD, DOUBLE ENDED: LENGTH: 2 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: STL; THREADS-A: 11BSW; THREADS-B: 11BSW; THREAD LENGTH-A: 5/8 IN; THREAD LENGTH-B: 3/4 IN; TYPE: TAP END; SPECIFICATION: BS 2693; 28 TONS TENSILE STRENGTH
85755	STUD DBL END:LG 2-1/2 IN;5/8 IN;5/8 IN	STUD, DOUBLE ENDED: LENGTH: 2-1/2 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: STL; THREADS-A: 11BSW; THREADS-B: 11BSW; THREAD LENGTH-A: 5/8 IN; THREAD LENGTH-B: 1-1/4 IN; TYPE: TAP END; SPECIFICATION: BS 2693; GRADE: 4.6;

		REFERENCE NO: 2312-486; 28 TONS TENSILE STRENGTH
85756	STUD DBL END:LG 3 IN;5/8 IN;5/8 IN;MS	STUD, DOUBLE ENDED: LENGTH: 3 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: MS; THREADS-A: 11BSW; THREADS-B: 11BSW; THREAD LENGTH-A: 5/8 IN; THREAD LENGTH-B: 1-3/4 IN; SPECIFICATION: BS 2693; THREADED BARREL, 28 TON TS
87478	WASHER FLAT:M8;17 MM;THK 1 MM;BRS BS 265	WASHER, FLAT: NOMINAL SIZE: M8; OUTER SIZE: 17 MM; THICKNESS: 1 MM; MATERIAL: BRS BS 265; GRADE: CZ108
87485	WASHER FLAT:M6;ID 6.5 MM;13.8 MM;BRS;RD	WASHER, FLAT: NOMINAL SIZE: M6; INSIDE DIAMETER: 6.5 MM; OUTER SIZE: 13.8 MM; THICKNESS: 1 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD; 1EA = 10
87488	WASHER FLAT:M12;ID 13 MM;25 MM;BRS;RD	WASHER, FLAT: NOMINAL SIZE: M12; INSIDE DIAMETER: 13 MM; OUTER SIZE: 25 MM; THICKNESS: 1.5 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD; 1EA = 10
87491	WASHER FLAT:M22;ID 24 MM;42 MM;BRS	WASHER, FLAT: NOMINAL SIZE: M22; INSIDE DIAMETER: 24 MM; OUTER SIZE: 42 MM; THICKNESS: 1.8 MM; MATERIAL: BRS
87493	WASHER FLAT:3/16 IN;7/16 IN;THK 1/32 IN	WASHER, FLAT: NOMINAL SIZE: 3/16 IN; OUTER SIZE: 7/16 IN; THICKNESS: 1/32 IN; MATERIAL: MS BRIGHT
87494	WASHER FLAT:6 MM;ID 6 MM;12 MM	WASHER, FLAT: NOMINAL SIZE: 6 MM; INSIDE DIAMETER: 6 MM; OUTER SIZE: 12 MM; THICKNESS: 0.5 MM; MATERIAL: STL BRIGHT; SPECIFICATION: DIN 126C; GRADE 4.6
87495	WASHER FLAT:M8;ID 8.4 MM;16.7 MM	WASHER, FLAT: NOMINAL SIZE: M8; INSIDE DIAMETER: 8.4 MM; OUTER SIZE: 16.7 MM; THICKNESS: 1 MM; MATERIAL: STL BRIGHT
87498	WASHER FLAT:ID 13 MM;24 MM;THK 1.5 MM	WASHER, FLAT: INSIDE DIAMETER: 13 MM; OUTER SIZE: 24 MM; THICKNESS: 1.5 MM; MATERIAL: STL BRIGHT
87500	WASHER FLAT:M20;ID 20.4 MM;39 MM	WASHER, FLAT: NOMINAL SIZE: M20; INSIDE DIAMETER: 20.4 MM; OUTER SIZE: 39 MM; THICKNESS: 2.3 MM; MATERIAL: STL BRIGHT
87501	WASHER FLAT:M22;ID 23 MM;39 MM;THK 2 MM	WASHER, FLAT: NOMINAL SIZE: M22; INSIDE DIAMETER: 23 MM; OUTER SIZE: 39 MM; THICKNESS: 2 MM; MATERIAL: STL BRIGHT; PERIPHERAL SHAPE STYLE: RD; GRADE: 4.6
87502	WASHER FLAT:M27;47 MM;THK 1.93 MM	WASHER, FLAT: NOMINAL SIZE: M27; OUTER SIZE: 47 MM; THICKNESS: 1.93 MM; MATERIAL: STL BRIGHT
87511	WASHER LK:ID 6.6 MM;OD 10.6 MM;THK 2 MM	WASHER, LOCK: INSIDE DIAMETER: 6.6 MM; OUTSIDE DIAMETER: 10.6 MM; THICKNESS: 2 MM; NOMINAL SIZE: M6; MATERIAL: STL; TYPE: HELICAL SPRING, SPLIT; SUPPL P/N: TCR03111064; WASHER, LOCK; TYPE HELICAL SPRING SPLIT, NOMINAL SIZE M6, INSIDE DIAMETER 6.6 MM, OUTSIDE DIAMETER 10.6 MM, THICKNESS 2 MM, MATERIAL STL, PART NUMBER:

		TCR03111064~WASHER, LOCK; ID 6.6 MM, OD 10.6 MM, STL
87514	WASHER LK: ID 12.4 MM; OD 17.9 MM; THK 2.35	WASHER, LOCK: INSIDE DIAMETER: 12.4 MM; OUTSIDE DIAMETER: 17.9 MM; THICKNESS: 2.35 MM; NOMINAL SIZE: M12; MATERIAL: STL; TYPE: HELICAL SPRING, SPLIT; GRADE: 4.6
87515	WASHER LK: ID 17 MM; OD 24.3 MM; THK 3.6 MM	WASHER, LOCK: INSIDE DIAMETER: 17 MM; OUTSIDE DIAMETER: 24.3 MM; THICKNESS: 3.6 MM; NOMINAL SIZE: M16; MATERIAL: STL; TYPE: HELICAL SPRING, SPLIT
87517	WASHER LK: ID 23 MM; OD 33.7 MM; THK 4.8 MM	WASHER, LOCK: INSIDE DIAMETER: 23 MM; OUTSIDE DIAMETER: 33.7 MM; THICKNESS: 4.8 MM; NOMINAL SIZE: M22; MATERIAL: STL; TYPE: SPLIT HELICAL RING; GRADE: 4.6
87531	WASHER FLAT: 2BA; ID 5 MM; 10 MM; BRS; RD	WASHER, FLAT: NOMINAL SIZE: 2BA; INSIDE DIAMETER: 5 MM; OUTER SIZE: 10 MM; THICKNESS: 0.75 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD
87532	WASHER FLAT: 3BA; ID 4.2 MM; 10.5 MM; BRS	WASHER, FLAT: NOMINAL SIZE: 3BA; INSIDE DIAMETER: 4.2 MM; OUTER SIZE: 10.5 MM; THICKNESS: 0.56 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD
87533	WASHER FLAT: 4BA; ID 4 MM; 9 MM; THK 1 MM	WASHER, FLAT: NOMINAL SIZE: 4BA; INSIDE DIAMETER: 4 MM; OUTER SIZE: 9 MM; THICKNESS: 1 MM; MATERIAL: BRS; PERIPHERAL SHAPE STYLE: RD
87535	WASHER FLAT: 7BA; ID 2.5 MM; 5.2 MM; BRS	WASHER, FLAT: NOMINAL SIZE: 7BA; INSIDE DIAMETER: 2.5 MM; OUTER SIZE: 5.2 MM; THICKNESS: 0.58 MM; MATERIAL: BRS
87540	WASHER FLAT: 1BA; ID 5.5 MM; 11.25 MM; STL	WASHER, FLAT: NOMINAL SIZE: 1BA; INSIDE DIAMETER: 5.5 MM; OUTER SIZE: 11.25 MM; THICKNESS: 0.72 MM; MATERIAL: STL; GRADE 4.6
87542	WASHER FLAT: 3BA; ID 4.1 MM; 10.68 MM	WASHER, FLAT: NOMINAL SIZE: 3BA; INSIDE DIAMETER: 4.1 MM; OUTER SIZE: 10.68 MM; THICKNESS: 0.72 MM; MATERIAL: STL BRIGHT; GRADE 4.6
87543	WASHER FLAT: 4BA; ID 4.2 MM; 8.62 MM; STL	WASHER, FLAT: NOMINAL SIZE: 4BA; INSIDE DIAMETER: 4.2 MM; OUTER SIZE: 8.62 MM; THICKNESS: 0.8 MM; MATERIAL: STL
87544	WASHER FLAT: 5BA; ID 3 MM; 8 MM; THK 0.6 MM	WASHER, FLAT: NOMINAL SIZE: 5BA; INSIDE DIAMETER: 3 MM; OUTER SIZE: 8 MM; THICKNESS: 0.6 MM; MATERIAL: STL
87545	WASHER FLAT: 6BA; ID 2.8 MM; 7.12 MM; STL	WASHER, FLAT: NOMINAL SIZE: 6BA; INSIDE DIAMETER: 2.8 MM; OUTER SIZE: 7.12 MM; THICKNESS: 0.5 MM; MATERIAL: STL; PERIPHERAL SHAPE STYLE: RD; GRADE: 4.6
87546	WASHER FLAT: 7BA; ID 2.7 MM; 5.2 MM; STL; RD	WASHER, FLAT: NOMINAL SIZE: 7BA; INSIDE DIAMETER: 2.7 MM; OUTER SIZE: 5.2 MM; THICKNESS: 0.58 MM; MATERIAL: STL; PERIPHERAL SHAPE STYLE: RD; GRADE: 4.6

87547	WASHER FLAT:81 MM;ID 2.1 MM;4.86 MM;STL	WASHER, FLAT: NOMINAL SIZE: 81 MM; INSIDE DIAMETER: 2.1 MM; OUTER SIZE: 4.86 MM; THICKNESS: 0.55 MM; MATERIAL: STL; PERIPHERAL SHAPE STYLE: RD
87558	NUT HEX:5BA;0.59 MM;1/8 IN;BRS;C10100	NUT, HEX: DIAMETER: 5BA; THREAD: 0.59 MM; NUT HEIGHT: 1/8 IN; MATERIAL: BRS; GRADE: C10100; SPECIFICATION: BS 57 TABLE 6
87559	NUT HEX:4BA;0.66 MM;9/64 IN;BRS;C10100	NUT, HEX: DIAMETER: 4BA; THREAD: 0.66 MM; NUT HEIGHT: 9/64 IN; MATERIAL: BRS; GRADE: C10100; SPECIFICATION: BS 57 TABLE 6; REFERENCE NO: 4BA
87560	NUT HEX:3BA;0.73 MM;3/32 IN;BRS;C10100	NUT, HEX: DIAMETER: 3BA; THREAD: 0.73 MM; NUT HEIGHT: 3/32 IN; MATERIAL: BRS; GRADE: C10100; SPECIFICATION: BS 57
87574	NUT HEX:1/4 IN;20BSW;7/32 IN;MS;8.8	NUT, HEX: DIAMETER: 1/4 IN; THREAD: 20BSW; NUT HEIGHT: 7/32 IN; MATERIAL: MS; GRADE: 8.8; SPECIFICATION: BS 1083-1965 TABLE 5; MEDIUM FIT
87577	NUT HEX:3/8 IN;16BSW;5/16 IN;MS	NUT, HEX: DIAMETER: 3/8 IN; THREAD: 16BSW; NUT HEIGHT: 5/16 IN; MATERIAL: MS; SPECIFICATION: BS 1083 TABLE 5; FINISHED THREAD MEDIUM FIT, GRADE A
87578	NUT HEX:1/2 IN;12BSW;7/16 IN;MS GR A	NUT, HEX: DIAMETER: 1/2 IN; THREAD: 12BSW; NUT HEIGHT: 7/16 IN; MATERIAL: MS GR A; SPECIFICATION: BS 1083; FINISHED
87579	NUT HEX:5/8 IN;11BSW;9/16 IN;MS GR A	NUT, HEX: DIAMETER: 5/8 IN; THREAD: 11BSW; NUT HEIGHT: 9/16 IN; MATERIAL: MS GR A; SPECIFICATION: BS 1083; FINISHED
87580	NUT HEX:7/8 IN;9BSW;27/32 IN;MS;4.5	NUT, HEX: DIAMETER: 7/8 IN; THREAD: 9BSW; NUT HEIGHT: 27/32 IN; MATERIAL: MS; GRADE: 4.5; SPECIFICATION: BS 1083 TABLE 5; GRADE A; WASHER FACED AND CHAMFERED; MEDIUM FIT
87582	NUT HEX:2BA;4 MM;STL	NUT, HEX: DIAMETER: 2BA; NUT HEIGHT: 4 MM; MATERIAL: STL
87588	NUT HEX:1/2 IN;12BSW;7/16 IN;BRS	NUT, HEX: DIAMETER: 1/2 IN; THREAD: 12BSW; NUT HEIGHT: 7/16 IN; MATERIAL: BRS
87589	NUT HEX:5/8 IN;11BSW;17/32 IN;BRS	NUT, HEX: DIAMETER: 5/8 IN; THREAD: 11BSW; NUT HEIGHT: 17/32 IN; MATERIAL: BRS
87590	NUT HEX:3/4 IN;10BSW;11/16 IN;BRS	NUT, HEX: DIAMETER: 3/4 IN; THREAD: 10BSW; NUT HEIGHT: 11/16 IN; MATERIAL: BRS
87600	NUT HEX:1BA;5 MM;STL	NUT, HEX: DIAMETER: 1BA; NUT HEIGHT: 5 MM; MATERIAL: STL
87601	NUT HEX:3BA;4 MM;STL;4.6	NUT, HEX: DIAMETER: 3BA; NUT HEIGHT: 4 MM; MATERIAL: STL; GRADE: 4.6
87602	NUT HEX:4BA;3 MM;STL	NUT, HEX: DIAMETER: 4BA; NUT HEIGHT: 3 MM; MATERIAL: STL
87603	NUT HEX:5BA;1/8 IN;STL	NUT, HEX: DIAMETER: 5BA; NUT HEIGHT: 1/8 IN; MATERIAL: STL; SPECIFICATION: BS 57 TABLE 6; PRECISION TYPE

87619	NUT HEX:5/16 IN;18BSW;1/4 IN;MS BLACK	NUT, HEX: DIAMETER: 5/16 IN; THREAD: 18BSW; NUT HEIGHT: 1/4 IN; MATERIAL: MS BLACK
87622	NUT HEX:1/2 IN;12BSW;7/16 IN;MS BLACK	NUT, HEX: DIAMETER: 1/2 IN; THREAD: 12BSW; NUT HEIGHT: 7/16 IN; MATERIAL: MS BLACK
87624	NUT HEX:3/4 IN;10BSW;21/32 IN;MS	NUT, HEX: DIAMETER: 3/4 IN; THREAD: 10BSW; NUT HEIGHT: 21/32 IN; MATERIAL: MS; SPECIFICATION: BS 1083 TABLE 5; PRECISION, MEDIUM FIT, GRADE A
87634	NUT HEX:M6;1 MM;5 MM;MS BLACK;4.8	NUT, HEX: DIAMETER: M6; THREAD: 1 MM; NUT HEIGHT: 5 MM; MATERIAL: MS BLACK; GRADE: 4.8; SPECIFICATION: SABS 1143-1977
87636	NUT HEX:M10;1.5 MM;8 MM;MS BLACK;4.8	NUT, HEX: DIAMETER: M10; THREAD: 1.5 MM; NUT HEIGHT: 8 MM; MATERIAL: MS BLACK; GRADE: 4.8; SPECIFICATION: SABS 1143
87637	NUT HEX:M12;1.75 MM;10 MM;MS BLACK;4.6	NUT, HEX: DIAMETER: M12; THREAD: 1.75 MM; NUT HEIGHT: 10 MM; MATERIAL: MS BLACK; GRADE: 4.6; SPECIFICATION: SABS 1143
87638	NUT HEX:M16;2 MM;13 MM;MS BLACK;4.6	NUT, HEX: DIAMETER: M16; THREAD: 2 MM; NUT HEIGHT: 13 MM; MATERIAL: MS BLACK; GRADE: 4.6; SPECIFICATION: SABS 1143
87639	NUT HEX:M20;2.5 MM;15.5 MM;MS BLACK;4.6	NUT, HEX: DIAMETER: M20; THREAD: 2.5 MM; NUT HEIGHT: 15.5 MM; MATERIAL: MS BLACK; GRADE: 4.6
87641	NUT HEX:M30;3.5 MM;24 MM;MS BLACK;4.6	NUT, HEX: DIAMETER: M30; THREAD: 3.5 MM; NUT HEIGHT: 24 MM; MATERIAL: MS BLACK; GRADE: 4.6; SPECIFICATION: SABS 1143-1977
87660	NUT HEX:M8;1.25 MM;6 MM;HTS GR 40;8.8	NUT, HEX: DIAMETER: M8; THREAD: 1.25 MM; NUT HEIGHT: 6 MM; MATERIAL: HTS GR 40; GRADE: 8.8; SPECIFICATION: DIN 934
87661	NUT HEX:M10;1.5 MM;8 MM;HTS;8.8	NUT, HEX: DIAMETER: M10; THREAD: 1.5 MM; NUT HEIGHT: 8 MM; MATERIAL: HTS; GRADE: 8.8; DIN931; DOUBLE CHAMFERED; COARSE THRD; MEDIUM FIT; QUENCHED AND TEMPERED
87663	NUT HEX:M6;1 MM;5 MM;HTS;8.8	NUT, HEX: DIAMETER: M6; THREAD: 1 MM; NUT HEIGHT: 5 MM; MATERIAL: HTS; GRADE: 8.8; DIN931; DOUBLE CHAMFERED; COURSE THREAD MEDIUM FIT
87666	NUT HEX:0BA;5 MM;STL;SPEC BS 57 TABLE 6	NUT, HEX: DIAMETER: 0BA; NUT HEIGHT: 5 MM; MATERIAL: STL; SPECIFICATION: BS 57 TABLE 6
87679	NUT HEX:M16;2 MM;12.5 MM;HTS;8	NUT, HEX: DIAMETER: M16; THREAD: 2 MM; NUT HEIGHT: 12.5 MM; MATERIAL: HTS; GRADE: 8; SPECIFICATION: SABS 136
87681	NUT HEX:M20;2.5 MM;17 MM;HTS;8.8	NUT, HEX: DIAMETER: M20; THREAD: 2.5 MM; NUT HEIGHT: 17 MM; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: DIN 934
87685	WASHER FLAT:M30,ID 33 MM,57 MM,THK 4 MM	WASHER, FLAT: NOMINAL SIZE: M30; INSIDE DIAMETER: 33 MM; OUTER SIZE: 57 MM;

		THICKNESS: 4 MM; MATERIAL: MS BLACK
87698	WASHER FLAT:M6;ID 6.2 MM;12.5 MM;THK 1.6	WASHER, FLAT: NOMINAL SIZE: M6; INSIDE DIAMETER: 6.2 MM; OUTER SIZE: 12.5 MM; THICKNESS: 1.6 MM; MATERIAL: MS BLACK; GRADE: 4.6; SPECIFICATION: BS 1449 PART 3B; REFERENCE NO: WASHFLBLKM6; APPLICABLE STANDARD TO WHICH THE GOODS SUPPLIED WAS MANUFACTURED
87699	WASHER FLAT:M8;ID 8.6 MM;17 MM;MS BLACK	WASHER, FLAT: NOMINAL SIZE: M8; INSIDE DIAMETER: 8.6 MM; OUTER SIZE: 17 MM; THICKNESS: 1.6 MM; MATERIAL: MS BLACK; SPECIFICATION: BS 1449; GRADE 4.6
87700	WASHER FLAT:M10;ID 12 MM;21 MM;THK 2 MM	WASHER, FLAT: NOMINAL SIZE: M10; INSIDE DIAMETER: 12 MM; OUTER SIZE: 21 MM; THICKNESS: 2 MM; MATERIAL: STL; SPECIFICATION: SABS 4320-1968 TABLE 3 FORM E
87701	WASHER FLAT:M12;ID 13.5 MM;24 MM	WASHER, FLAT: NOMINAL SIZE: M12; INSIDE DIAMETER: 13.5 MM; OUTER SIZE: 24 MM; THICKNESS: 2.5 MM; MATERIAL: MS BLACK; SPECIFICATION: BS 1449 PART 3B
87702	WASHER FLAT:M16;ID 17 MM;35 MM;THK 3 MM	WASHER, FLAT: NOMINAL SIZE: M16; INSIDE DIAMETER: 17 MM; OUTER SIZE: 35 MM; THICKNESS: 3 MM; MATERIAL: MS BLACK
87703	WASHER FLAT:M20;ID 21 MM;37 MM;THK 3 MM	WASHER, FLAT: NOMINAL SIZE: M20; INSIDE DIAMETER: 21 MM; OUTER SIZE: 37 MM; THICKNESS: 3 MM; MATERIAL: MS BLACK BS 1449PT3B
87704	WASHER FLAT:M24;ID 25 MM;44 MM	WASHER, FLAT: NOMINAL SIZE: M24; INSIDE DIAMETER: 25 MM; OUTER SIZE: 44 MM; THICKNESS: 4.5 MM; MATERIAL: MILD STEEL
89621	NUT HEX:M24;3 MM;19 MM;HTS;8.8	NUT, HEX: DIAMETER: M24; THREAD: 3 MM; NUT HEIGHT: 19 MM; MATERIAL: HTS; GRADE: 8.8
89623	NUT HEX:M30;3.5 MM;22 MM;HTS;8.8	NUT, HEX: DIAMETER: M30; THREAD: 3.5 MM; NUT HEIGHT: 22 MM; MATERIAL: HTS; GRADE: 8.8; SUPPL P/N: M30; ACC FAN OUTPUT COUPLING HUB BOLT NUTS
90415	NUT HEX:M24	NUT, HEX: DIAMETER: M24
90448	WASHER SEALG:16.2 MM;ID 6.35 MM;COPPER	WASHER, SEALING: NOMINAL SIZE: 16.2 MM; INSIDE DIAMETER: 6.35 MM; OUTSIDE DIAMETER: 16.2 MM; THICKNESS: 3 MM; MATERIAL: COPPER; FOR USE ON TRANSMITTERS
90516	NUT HEX:5/8 IN;11BSW;SS	NUT, HEX: DIAMETER: 5/8 IN; THREAD: 11BSW; MATERIAL: SS
94512	WASHER:CISTERN;32 MM;ID 32 MM;OD 62 MM	WASHER: TYPE: CISTERN; NOMINAL SIZE: 32 MM; INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 62 MM; THICKNESS: 6 MM; MATERIAL: RUBBER
97556	SEAL OIL:ID 85 MM;OD 110 MM;WD 10 MM;YES	SEAL, OIL: INSIDE DIAMETER: 85 MM; OUTSIDE DIAMETER: 110 MM; WIDTH: 10 MM; MATERIAL: RUBBER; SEALING MEMBER: SINGLE LIP; SPRING LOADED: YES; REFERENCE NO: SE70; SPLIT,

		TWO PARTS, MOULDED-IN REINFORCEMENT
104751	WASHER FLAT:ID 51 MM;87 MM;THK 1.5 MM;CU	WASHER, FLAT: INSIDE DIAMETER: 51 MM; OUTER SIZE: 87 MM; THICKNESS: 1.5 MM; MATERIAL: CU
0001035	BOLT ASSY:VERANDAH;M6;LG 20 MM;STL GALV	BOLT, ASSEMBLY: TYPE: VERANDAH; NOMINAL DIAMETER: M6; LENGTH: 20 MM; HEAD: MUSHROOM SLOTTED; MATERIAL: STL GALV; THREAD: 1 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: ZN PLTD; DRAWING NO: D3121 REV 1
0001983	BARREL BOLT:GOOSENECK;DIA 7.5 X LG 64 MM	BARREL BOLT: TYPE: GOOSENECK; DIMENSIONS: DIA 7.5 X LG 64 MM; MATERIAL: BRASS; 25MM WIDE WITH OFFSET BOLT; SOLID BRAND ONLY
0001985	BOLT ANCHR:RAW LOOSE;M6;50 MM;STL;LG 58	BOLT, ANCHOR: TYPE: RAW LOOSE; DIAMETER: M6; THREAD LENGTH: 50 MM; MATERIAL: STL; LENGTH: 58 MM; THREAD: 1 MM; REFERENCE NO: C19; 48MM SHIELD LENGTH INDLUCING NUT, 12MM MAXIMUM FIXING THICKNESS, DRILL SIZE 12MM
0001986	BOLT ANCHR:RAW LOOSE;M10;75 MM;STL;LG 75	BOLT, ANCHOR: TYPE: RAW LOOSE; DIAMETER: M10; THREAD LENGTH: 75 MM; MATERIAL: STL; LENGTH: 75 MM; THREAD: 1.5 MM; REFERENCE NO: E19; SIZE 60 MM SHIELD LENGTH, 20 MM FIXING THICKNESS, 1.5 MM PITCH, RECOMMENDED DRILL SIZE 18MM
0019880	BOLT:HOUSING;M24;LG 155 MM;RD;21CRMV57V	BOLT: TYPE: HOUSING; DIAMETER: M24; LENGTH: 155 MM; HEAD: RD; MATERIAL: 21CRMV57V; THREAD: 3 MM; FOR SHAFT SEAL DESIGN GROUP 32651/3
0022378	BOLT ASSY:M16;LG 90 MM;HEX;8.8;HTS;2 MM	BOLT, ASSEMBLY: NOMINAL DIAMETER: M16; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM; NUT QUANTITY: 1; SPECIFICATION: DIN931
0022396	BOLT:EXPANSION;M24;LG 55 MM;HEX;3 MM	BOLT: TYPE: EXPANSION; DIAMETER: M24; LENGTH: 55 MM; HEAD: HEX; MATERIAL: 21CRMV57V; THREAD: 3 MM; REFERENCE NO: 13210/9; HEAD:SOCKET
0026354	BOLT ASSY:COUPLING;M10;LG 50 MM;HEX;8.8	BOLT, ASSEMBLY: TYPE: COUPLING; NOMINAL DIAMETER: M10; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: STL; THREAD: 1.5 MM; NUT QUANTITY: 1; COMPLETE WITH CONE RING FOR BABCOCK GEARBOXES; SPECIFICATION: SABS135
0039161	BOLT MACH:7/8 IN;LG 5 IN;HEX;8.8;STL	BOLT, MACHINE: DIAMETER: 7/8 IN; LENGTH: 5 IN; HEAD: HEX; GRADE: 8.8; MATERIAL: STL; THREAD: 9BSW; TYPE: ASH CRUSHER; MANUF P/N: 45074EAA1039EAEA; APPLICATION: TO JOIN SEGMENTS TO DRUM; ITEM 36; SPARGO BIN NO 416026; NYLOCK NUT PER BOLT; SQUARE WASHER MUST BE WELDED ON THE BOLT; ARNOT SOLE SOURCE APPROVED: WEIR MINERALS VENDOR NO: 11007742 AND WILL EXPIRE ON: 2019/02/20
0080442	BOLT ASSY:VERANDAH;M6;LG 38 MM;MS;1 MM	BOLT, ASSEMBLY: TYPE: VERANDAH; NOMINAL DIAMETER: M6; LENGTH: 38 MM; HEAD:

		MUSHROOM SLOTTED; MATERIAL: MS; THREAD: 1 MM; BOLT PROTECTIVE COATING: ZN PLTD
0082654	BOLT MACH:1/2 IN;LG 2-1/2 IN;HEX;SS	BOLT, MACHINE: DIAMETER: 1/2 IN; LENGTH: 2-1/2 IN; HEAD: HEX; MATERIAL: STAINLESS STEEL; THREAD: 1/2 IN
0083585	BOLT ASSY:GP;M16;LG 40 MM;HEX;4.6;MS;25	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
0083602	BOLT ASSY:M20;LG 180 MM;HEX;MS;2.5 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 180 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2.5 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS135
0083603	BOLT MACH:3/8 IN;LG 1-1/2 IN;HEX;BRS	BOLT, MACHINE: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; HEAD: HEX; MATERIAL: BRASS; THREAD: 16BSW; SPECIFICATION: BS 1083; COPPER ALLOY, 56000PSI TS MIN, THREAD IN ACCORDANCE WITH BS84 CLASS 2A
0083604	BOLT MACH:3/8 IN;LG 2 IN;HEX;BRS;BS 1083	BOLT, MACHINE: DIAMETER: 3/8 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: BRASS; THREAD: 16BSW-2A; SPECIFICATION: BS 1083; COPPER ALLOY; 56000PSI TS MIN, THREAD IN ACCORDANCE WITH BS84
0083605	BOLT ASSY:5/8 IN;LG 2 IN;HEX;BRS;11BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: BRASS; THREAD: 11BSW; NUT QUANTITY: 1; THREAD IN ACC WITH BS84:CLASS 2A, SPECIFICATION: BS1083
0083606	BOLT ASSY:M8;LG 36 MM;HEX;MS;1.25 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M8; LENGTH: 36 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.25 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: GALV; SPECIFICATION: SABS763
0083607	BOLT MACH:1/2 IN;LG 2 IN;HEX;BRS;12BSW	BOLT, MACHINE: DIAMETER: 1/2 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: BRASS; THREAD: 12BSW; SPECIFICATION: BS 1083; COPPER ALLOY, 56000 PSI TS MIN, THREAD .IN ACCORDANCE WITH BS84 CLASS 2A
0083608	BOLT ASSY:1/2 IN;LG 3 IN;HEX;BRS;12BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 3 IN; HEAD: HEX; MATERIAL: BRASS; THREAD: 12BSW; NUT QUANTITY: 1; IN ACCORDANCE WITH BS 84 CLASS 2A; SPECIFICATION: BS1083
0083647	BOLT MACH:M10;LG 40 MM;HEX;MS;1.5 MM	BOLT, MACHINE: DIAMETER: M10; LENGTH: 40 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.5 MM; PROTECTIVE COATING: GALV; TO SABS763:1984
0083655	BOLT ASSY:MULTI PURPOSE;M8;LG 50 MM;HEX	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M8; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 50 MM; THREAD: 1.25 MM; NUT

		QUANTITY: 1; SPECIFICATION: DIN931
0083656	BOLT ASSY:GP;M8;LG 65 MM;HEX;8.8;HTS;25	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M8; LENGTH: 65 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 25 MM; THREAD: 1.25 MM; NUT QUANTITY: 1; SPECIFICATION: DIN 931
0083657	BOLT ASSY:M8;LG 75 MM;HEX;8.8;HTS;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M8; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; NUT QUANTITY: 1; SPECIFICATION: DIN931
0083661	BOLT MACH:M10;LG 75 MM;HEX;8.8;HTS;30 MM	BOLT, MACHINE: DIAMETER: M10; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; THREAD LENGTH: 30 MM; SPECIFICATION: SABS 136; PROTECTIVE COATING: BLACK
0083663	BOLT MACH:M12;LG 45 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M12; LENGTH: 45 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; SPECIFICATION: DIN 931; DOUBLE HEAT TREATED , METRIC COARSE THREAD, MEDIUM FIT
0083940	BOLT MACH:M10;LG 100 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M10; LENGTH: 100 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; SPECIFICATION: DIN 931; TYPE: MACHINE
0084219	BOLT MACH:M10;LG 90 MM;HEX;9520K;1.5 MM	BOLT, MACHINE: DIAMETER: M10; LENGTH: 90 MM; HEAD: HEX; MATERIAL: 9520K; THREAD: 1.5 MM; DRAWING NO: 18.1714.9013 REV 1; DESIGN GROUP 17146/17 FOR 200MW AEG TURBINE GOVERNOR VALVE SERVOMOTOR TYPE: LEVER
0084244	PIN STRGHT:LG 116 MM;115CRV3;BOLT	PIN, STRAIGHT: LENGTH: 116 MM; MATERIAL: 115CRV3; TYPE: BOLT; DRAWING NO: 18.1668.0034 REV 1; DESIGN GROUP: 16680/14 FOR AEG 200MW TURBINE, UNIT 1; DIAMETER: 10MM
0084277	BOLT MACH:18.5 MM;LG 3 IN;HEX;621B;STL	BOLT, MACHINE: DIAMETER: 18.5 MM; LENGTH: 3 IN; HEAD: HEX; GRADE: 621B; MATERIAL: STL; SPECIFICATION: BS 1506; SUPPL P/N: 3094280116; DRAWING NO: 309428 REV 1; FOR CAM AND ARM ASSEMBLY RIGHT HAND; THREAD 10MM; TYPE: SHOULDER
0084312	BOLT MACH:M8;LG 45 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M8; LENGTH: 45 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084313	BOLT MACH:M8;LG 55 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M8; LENGTH: 55 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084314	BOLT MACH:M8;LG 70 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M8; LENGTH: 70 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.25 MM; SPECIFICATION: DIN 931; TYPE: GENERAL PURPOSE
0084315	BOLT MACH:M10;LG 45 MM;HEX;8.8;HTS;28 MM	BOLT, MACHINE: DIAMETER: M10; LENGTH: 45 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS;

		THREAD: 1.5 MM; THREAD LENGTH: 28 MM; SPECIFICATION: SABS 135; PROTECTIVE COATING: BLACK
0084316	BOLT MACH:M10;LG 55 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M10; LENGTH: 55 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084317	BOLT MACH:M12;LG 55 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M12; LENGTH: 55 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.75 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084318	BOLT MACH:M20;LG 175 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M20; LENGTH: 175 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084319	BOLT MACH:M24;LG 125 MM;HEX;8.8;HTS;3 MM	BOLT, MACHINE: DIAMETER: M24; LENGTH: 125 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084320	BOLT MACH:M24;LG 50 MM;HEX;8.8;HTS;3 MM	BOLT, MACHINE: DIAMETER: M24; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084321	BOLT MACH:M30;LG 100 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M30; LENGTH: 100 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3.5 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084322	BOLT MACH:M30;LG 75 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M30; LENGTH: 75 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3.5 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084324	BOLT MACH:M16;LG 140 MM;HEX;8.8;HTS;2 MM	BOLT, MACHINE: DIAMETER: M16; LENGTH: 140 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084325	BOLT ASSY:GP;M10;LG 30 MM;HEX;8.8;HTS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M10; LENGTH: 30 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM; NUT QUANTITY: 1; SABS136
0084326	BOLT MACH:M20;LG 80 MM;HEX;8.8;HTS;GP	BOLT, MACHINE: DIAMETER: M20; LENGTH: 80 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; SPECIFICATION: SABS 136; TYPE: GENERAL PURPOSE
0084327	BOLT ASSY:GP;M20;LG 180 MM;HEX;8.8;HTS;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 180 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2.5 MM; NUT QUANTITY: 1; SPECIFICATION: SABS136
0084343	BOLT ASSY:1/4 IN;LG 2 IN;HEX;MS;20BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/4 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 20BSW
0084344	BOLT ASSY:1/4 IN;LG 3 IN;HEX;4.6;20BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/4 IN; LENGTH: 3 IN; HEAD: HEX; GRADE: 4.6;

		MATERIAL: MS BRIGHT; THREAD: 20BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 1/4 INCH NUT
0084345	BOLT ASSY:5/16 IN;LG 1 IN;HEX;MS;18BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/16 IN; LENGTH: 1 IN; HEAD: HEX; MATERIAL: MS; THREAD: 18BSW; WITH NUTS
0084347	BOLT ASSY:5/16 IN;LG 3 IN;HEX;4.6;18BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/16 IN; LENGTH: 3 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS BRIGHT; THREAD: 18BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 5/16 INCH BSW NUT
0084348	BOLT ASSY:GP;3/8 IN;LG 1 IN;HEX;4.6;25;1	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: 3/8 IN; LENGTH: 1 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS BRIGHT; THREAD LENGTH: 25 MM; THREAD: 16BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 3/8 INCH BSW NUT
0084349	BOLT ASSY:3/8 IN;LG 2 IN;HEX;MS BRIGHT;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/8 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 16BSW; NUT QUANTITY: 1; SPECIFICATION: BS1083
0084350	BOLT ASSY:3/8 IN;LG 2-1/2 IN;HEX;16BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/8 IN; LENGTH: 2-1/2 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 16BSW; NUT QUANTITY: 1
0084351	BOLT ASSY:3/8 IN;LG 3 IN;HEX;MS BRIGHT;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/8 IN; LENGTH: 3 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 16BSW; NUT QUANTITY: 1
0084353	BOLT ASSY:1/2 IN;LG 2 IN;HEX;MS BRIGHT	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 12BSW
0084354	BOLT ASSY:1/2 IN;LG 2-1/2 IN;HEX;MS;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 2-1/2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 12BSW; NUT QUANTITY: 1; WITH NUT
0084358	BOLT ASSY:1/2 IN;LG 5 IN;HEX;4.6;12BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 5 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS BRIGHT; THREAD: 12BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 1/2 INCH HEX NUT
0084361	BOLT ASSY:5/8 IN;LG 2-1/2 IN;HEX;HTS	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 2-1/2 IN; HEAD: HEX; MATERIAL: HTS; THREAD: 11BSW
0084363	BOLT ASSY:5/8 IN;LG 3-1/2 IN;HEX;4.6;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 3-1/2 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS BRIGHT; THREAD: 11BSW; NUT QUANTITY: 1
0084366	BOLT ASSY:3/4 IN;LG 1 IN;HEX;MS BRIGHT;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/4 IN; LENGTH: 1 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 10BSW; NUT QUANTITY: 1
0084368	BOLT ASSY:7/8 IN;LG 3 IN;HEX;MS BRIGHT;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 7/8 IN; LENGTH: 3 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 9BSW; NUT QUANTITY: 1
0084369	BOLT ASSY:7/8 IN;LG 3-1/2 IN;HEX;9BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 7/8 IN;

		LENGTH: 3-1/2 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 9BSW; NUT QUANTITY: 1
0084370	BOLT ASSY:7/8 IN;LG 5 IN;HEX;MS;9BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 7/8 IN; LENGTH: 5 IN; HEAD: HEX; MATERIAL: MS; THREAD: 9BSW; NUT QUANTITY: 1
0084371	BOLT ASSY:1 IN;LG 4-1/2 IN;HEX;MS;8BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1 IN; LENGTH: 4-1/2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 8BSW; NUT QUANTITY: 1; SPECIFICATION: BS1083
0084372	BOLT ASSY:3/8 IN;LG 1 IN;HEX;MS;16BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/8 IN; LENGTH: 1 IN; HEAD: HEX; MATERIAL: MS; THREAD: 16BSW; BOLT PROTECTIVE COATING: GALV; NUTS ELECTRO SIZE M10 X 25MM AIM BRAND
0084373	BOLT ASSY:3/8 IN;LG 1-1/2 IN;HEX;4.6;MS	BOLT, ASSEMBLY: NOMINAL DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD: 16BSW; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: GALV; NUT PROTECTIVE COATING: GALV; TYPE THREADED, SPECIFICATION SABS 763, WITH 3/8 INCH NUT
0084375	BOLT ASSY:1/2 IN;LG 2 IN;HEX;MS;12BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 12BSW; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: GALV; NUT PROTECTIVE COATING: GALV; SPECIFICATION: SABS763
0084376	BOLT ASSY:5/8 IN;LG 2 IN;HEX;MS;11BSW;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/8 IN; LENGTH: 2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 11BSW; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: GALV; NUT PROTECTIVE COATING: GALV
0084381	BOLT ASSY:5/16 IN;LG 2 IN;HEX;4.6;MS;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 5/16 IN; LENGTH: 2 IN; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD: 18BSW; NUT QUANTITY: 1; TYPE THREADED, WITH 5/16 INCH HEX NUT
0084408	BOLT ASSY:1 IN;LG 3 IN;HEX;MS BRIGHT;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1 IN; LENGTH: 3 IN; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 8BSW; NUT QUANTITY: 1; SPECIFICATION: BS1083
0084411	BOLT ASSY:NIB;M12;LG 40 MM;CSK KEYED;4.6	BOLT, ASSEMBLY: TYPE: NIB; NOMINAL DIAMETER: M12; LENGTH: 40 MM; HEAD: CSK KEYED; GRADE: 4.6; MATERIAL: MS; THREAD: 1.75 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 1143
0084413	BOLT ASSY:NIB;M16;LG 65 MM;MS;2 MM;1	BOLT, ASSEMBLY: TYPE: NIB; NOMINAL DIAMETER: M16; LENGTH: 65 MM; HEAD: CSK FLAT KEYED; MATERIAL: MS; THREAD: 2 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 1143/1977
0084414	BOLT ASSY:NIB;M16;LG 50 MM;CSK KEYED;4.6	BOLT, ASSEMBLY: TYPE: NIB; NOMINAL DIAMETER: M16; LENGTH: 50 MM; HEAD: CSK KEYED; GRADE: 4.6; MATERIAL: MS; THREAD: 2 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 1143
0084435	BOLT ASSY:MULTI PURPOSE;LG 6 IN;HEX;MS	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE;

		LENGTH: 6 IN; HEAD: HEX; MATERIAL: MS; THREAD: 9BSW; WITH HEXAGON NUTS FITTED
0084436	BOLT ASSY:1-1/2 IN;LG 5-1/2 IN;HEX;MS	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1-1/2 IN; LENGTH: 5-1/2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 6BSW; BOLT PROTECTIVE COATING: BLACK; NUTS; SPECIFICATION: BS1083
0084442	BOLT EYE:COLLAR;5/8 IN;3/4 IN;11BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 5/8 IN; THREAD LENGTH: 3/4 IN; THREAD: 11BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TESTED CERTIFICATE WITH EVERY DELIVERY; LENGTH: 1 IN
0084444	BOLT EYE:COLLAR;3/8 IN;1/2 IN;16BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 3/8 IN; THREAD LENGTH: 1/2 IN; THREAD: 16BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TESTED CERTIFICATE WITH EVERY DELIVERY; LENGTH: 5/8 IN
0084445	BOLT EYE:COLLAR;5/8 IN;7/8 IN;11BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 5/8 IN; THREAD LENGTH: 7/8 IN; THREAD: 11BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TESTED CERTIFICATE WITH EVERY DELIVERY; LENGTH: 1-1/8 IN
0084448	BOLT EYE:COLLAR;3/8 IN;1/2 IN;16BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 3/8 IN; THREAD LENGTH: 1/2 IN; THREAD: 16BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TEST CERTIFICATE WITH EVERY DELIVERY; LENGTH: 5/8 IN
0084449	BOLT EYE:COLLAR;1/4 IN;5/8 IN;26BSF	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1/4 IN; THREAD LENGTH: 5/8 IN; THREAD: 26BSF; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; WITH SWL STAMPED ON EYEBOLT UNGALVANISED TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 5/16 IN
0084451	BOLT EYE:COLLAR;1 IN;60 MM;800 KG;111 MM	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1 IN; EYE INSIDE DIAMETER: 60 MM; LOAD RATING: 800 KG; SHANK LENGTH: 111 MM; THREAD LENGTH: 1-1/4 IN; THREAD: 10BSF; MATERIAL: STL DROP FORGED; GRADE: 8.8; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TEST CERTIFICATE WITH EVERY DELIVERY; LENGTH: 1-5/8 IN
0084452	BOLT EYE:COLLAR;2 IN;3 IN;7BSF;BS 4278	BOLT, EYE: TYPE: COLLAR; DIAMETER: 2 IN; THREAD LENGTH: 3 IN; THREAD: 7BSF; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A TEST CERTIFICATE WITH EVERY DELIVERY; LENGTH: 3-1/2 IN
0084453	BOLT EYE:COLLAR;1-1/4 IN;2 IN;7BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1-1/4 IN; THREAD LENGTH: 2 IN; THREAD: 7BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; REQUIRED A MATERIAL TEST CERTIFICATE WITH EVERY DELIVERY; LENGTH: 2-1/4 IN

0084455	BOLT EYE:COLLAR;2 IN;3 IN;4-1/2BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 2 IN; THREAD LENGTH: 3 IN; THREAD: 4-1/2BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; WITH SWL STAMPED ON EYEBOLT UNGALVINISED TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY
0084456	BOLT EYE:COLLAR;1-3/4 IN;2-7/8 IN;7BSF	BOLT, EYE: TYPE: COLLAR; DIAMETER: 7/8 IN; EYE INSIDE DIAMETER: 60 MM; LOAD RATING: 800 KG; SHANK LENGTH: 114 MM; THREAD LENGTH: 1-1/4 IN; THREAD: 12BSF; MATERIAL: STL DROP FORGED; GRADE: 8.8; SPECIFICATION: BS 4278; TESTED QUALITY, WITH SWL STAMPED ON, UNGALVINISED, SUPPLIER NOTE THE ITEM WILL NOT BE ACCEPTED WITHOUT A BATCH TEST CERTIFICATE; LENGTH: 1-5/8 IN
0084458	BOLT EYE:COLLAR;7/8 IN;60 MM;800 KG;114	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1 IN; LENGTH: 8 IN; HEAD: HEX; MATERIAL: STL; THREAD: 8BSW; NUTS:MACHINED
0084459	BOLT ASSY:1 IN;LG 8 IN;HEX;STL;8BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: M8; LENGTH: 90 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.25 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD MEDIUM FIT, TO THE LATEST EDITION OF SABS 135 AND BEARING THE SABS MARK OF APPROVAL
0084558	BOLT ASSY:M8;LG 90 MM;HEX;MS;1.25 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M8; LENGTH: 90 MM; HEAD: HEX; MATERIAL: MS; THREAD: 1.25 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD MEDIUM FIT, TO THE LATEST EDITION OF SABS 135 AND BEARING THE SABS MARK OF APPROVAL
0084591	BOLT ASSY:M16;LG 115 MM;HEX;MS;2 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M16; LENGTH: 115 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS135
0084593	BOLT ASSY:GP;M16;LG 150 MM;HEX;4.6;MS;45	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 150 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 45 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
0084594	BOLT ASSY:M16;LG 180 MM;HEX;MS;2 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M16; LENGTH: 180 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS135
0084595	BOLT ASSY:GP;M16;LG 200 MM;HEX;4.6;MS;47	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 200 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 47 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084603	BOLT ASSY:GP;M20;LG 125 MM;HEX;4.6;MS;50	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 125 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS;

		THREAD LENGTH: 50 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS1 35
0084615	BOLT ASSY:GP;M24;LG 125 MM;HEX;4.6;MS;60	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M24; LENGTH: 125 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 60 MM; THREAD: 3 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084648	BOLT EYE:COLLAR;M10;250 KG;15 MM;1.5 MM	BOLT, EYE: TYPE: COLLAR; DIAMETER: M10; LOAD RATING: 250 KG; THREAD LENGTH: 15 MM; THREAD: 1.5 MM; MATERIAL: HTS; SPECIFICATION: BS 4278; TO BE FORGED STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 19MM
0084652	BOLT:BREAKER;M12;LG 16 MM;FLAT;8.8;STL	BOLT: TYPE: BREAKER; DIAMETER: M12; LENGTH: 16 MM; HEAD: FLAT; GRADE: 8.8; MATERIAL: STL; THREAD: 1.75 MM; SPECIFICATION: SABS 135; PROTECTIVE COATING: CD PLTD; FIG NO: 19; TANG FOR SACE DR6-25 6.6KV BREAKER
0084654	BOLT EYE:COLLAR;1-1/4 IN;2 IN;9BSF	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1-1/4 IN; THREAD LENGTH: 2 IN; THREAD: 9BSF; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 2-3/4 IN
0084664	BOLT EYE:COLLAR;M8;13 MM;1.25 MM;BS 4278	BOLT, EYE: TYPE: COLLAR; DIAMETER: M8; THREAD LENGTH: 13 MM; THREAD: 1.25 MM; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED REQUIRED TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 16MM
0084665	BOLT EYE:COLLAR;M12;400 KG;16 MM;1.75 MM	BOLT, EYE: TYPE: COLLAR; DIAMETER: M12; LOAD RATING: 400 KG; THREAD LENGTH: 16 MM; THREAD: 1.75 MM; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; TO BE FORGED STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 20MM
0084666	BOLT EYE:M16;25 MM;2 MM;STL DROP FORGED	BOLT, EYE: DIAMETER: M16; THREAD LENGTH: 25 MM; THREAD: 2 MM; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 30MM
0084667	BOLT EYE:COLLAR;M20;22 MM;2.5 MM;HTS	BOLT, EYE: TYPE: COLLAR; DIAMETER: M20; THREAD LENGTH: 22 MM; THREAD: 2.5 MM; MATERIAL: HTS; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 34MM
0085074	BOLT ASSY:M12;LG 45 MM;HEX;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M12; LENGTH: 45 MM; HEAD: HEX; NUT QUANTITY: 1

0085092	BOLT ASSY:U;M10;5.6;STL;32 MM;1.5 MM;1	BOLT, ASSEMBLY: TYPE: U; NOMINAL DIAMETER: M10; GRADE: 5.6; MATERIAL: STL; THREAD LENGTH: 32 MM; THREAD: 1.5 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: GALV; SUPPL P/N: 1234; REFERENCE NO: E4-923-1; SIZE 50MM, WITH WASHER; INSIDE LENGTH: 72MM; INSIDE WIDTH: 52MM; SPECIFICATION: SABS 763
0085094	BOLT ASSY:1-1/2 IN;LG 6 IN;HEX;HTS;6BSW	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1-1/2 IN; LENGTH: 6 IN; HEAD: HEX; MATERIAL: HTS; THREAD: 6BSW; WITH NUT
0085095	BOLT ASSY:1-1/4 IN;LG 4-3/4 IN;FLAT;STL	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1-1/4 IN; LENGTH: 4-3/4 IN; HEAD: FLAT; MATERIAL: STL; THREAD: 7BSW; NUT QUANTITY: 1; WITH CASTLE NUTS
0085100	BOLT U:M12;85 MM;25 MM;SS GR 316	BOLT, U: DIAMETER: M12; INSIDE LENGTH: 85 MM; THREAD LENGTH: 25 MM; MATERIAL: SS GR 316; TYPE STIRRUP, 37MM CENTRE RADIUS; COMPLETE WITH NUTS AND WASHERS
0085101	BOLT EYE:COLLAR;M24;32 MM;3 MM;BS 4278	BOLT, EYE: TYPE: COLLAR; DIAMETER: M24; THREAD LENGTH: 32 MM; THREAD: 3 MM; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 38MM
0085102	BOLT T:M24;LG 180 MM;3 MM	BOLT, T: DIAMETER: M24; LENGTH: 180 MM; THREAD: 3 MM; DRAWING NO: 0.15/15486 REV 1; FOR PHI /MPS MILLS, Q.I.P TO BE SUBMITTED TO HENDRINA POWER STATION BEFORE ORDER IS PLACED AND PATTERN TO BE RETURNED AFTER ALL ITEMS DELIVERED
0085104	BOLT MACH:M20;LG 80 MM;HEX;2.5 MM	BOLT, MACHINE: DIAMETER: M20; LENGTH: 80 MM; HEAD: HEX; THREAD: 2.5 MM; SPECIFICATION: DIN 933; TO BE VACUUM PACKED
0085110	BOLT:CONROD;1-1/8 IN;LG 9-3/8 IN;C SHAPE	BOLT: TYPE: CONROD; DIAMETER: 1-1/8 IN; LENGTH: 9-3/8 IN; HEAD: C SHAPE; GRADE: 8.8; MATERIAL: STL; THREAD: 12UNF; SPECIFICATION: SABS 135; REFERENCE NO: 1R17684; INGERSOLL COMPRESSOR
0085111	BOLT MACH:1-3/8 IN;LG 7 IN;HEX;8.8;STL	BOLT, MACHINE: DIAMETER: 1-3/8 IN; LENGTH: 7 IN; HEAD: HEX; GRADE: 8.8; MATERIAL: STL; THREAD: 12UNF; SPECIFICATION: SABS 135; TYPE: CONROD; 5025 C I L COMPRESSOR
0085118	BOLT ASSY:7/8 IN;LG 4-3/4 IN;HEX;HTS;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: 7/8 IN; LENGTH: 4-3/4 IN; HEAD: HEX; MATERIAL: HTS; THREAD: 9BSW; NUT QUANTITY: 1; BIN SPARGO CRUSHER 416-026 FOR CRUSHER TEETH SEGMENTS
0085121	BOLT:EXPANSION;M20;LG 56 MM;21CRMOV57	BOLT: TYPE: EXPANSION; DIAMETER: M20; LENGTH: 56 MM; MATERIAL: 21CRMOV57; THREAD: 2.5 MM; DESIGN GROUP 16440/4 FOR NON RETURN REDUCING VALVE; HEX HEAD
0085122	BOLT MACH:M16;LG 58 MM;HEX;21CRMOV57V	BOLT, MACHINE: DIAMETER: M16; LENGTH: 58

		MM; HEAD: HEX; MATERIAL: 21CRMOV57V; THREAD: 2 MM; FOR FIX BALDE CARRIERS HALF JOINT ON AEG KANIS TURBINE 18 PER UNIT
0085125	BOLT MACH:M20;LG 45 MM;HEX;BRS;1.5 MM	BOLT, MACHINE: DIAMETER: M20; LENGTH: 45 MM; HEAD: HEX; MATERIAL: BRASS; THREAD: 1.5 MM; CLOSE TURBINE; TYPE: STRAINER
0085126	BOLT MACH:M5;LG 40 MM;SQ;BRS;0.8 MM	BOLT, MACHINE: DIAMETER: M5; LENGTH: 40 MM; HEAD: SQ; MATERIAL: BRASS; THREAD: 0.8 MM; TYPE: THRUST; TURBINE
0085130	BOLT:THRUST;M5;LG 46 MM;SQ;BRS;0.8 MM	BOLT: TYPE: THRUST; DIAMETER: M5; LENGTH: 46 MM; HEAD: SQ; MATERIAL: BRASS; THREAD: 0.8 MM; TURBINE
0085132	BOLT ASSY:M22;LG 75 MM;HEX;MS;2.5 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M22; LENGTH: 75 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2.5 MM; NUT QUANTITY: 1
0085133	BOLT ASSY:M24;LG 50 MM;HEX;MS;3 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M24; LENGTH: 50 MM; HEAD: HEX; MATERIAL: MS; THREAD: 3 MM; NUT QUANTITY: 1
0085135	BOLT EYE:COLLAR;1 IN;1-3/8 IN;8BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1 IN; THREAD LENGTH: 1-3/8 IN; THREAD: 8BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 1-3/4 IN
0085136	BOLT EYE:COLLAR;1-1/2 IN;2-1/4 IN;6BSW	BOLT, EYE: TYPE: COLLAR; DIAMETER: 1-1/2 IN; THREAD LENGTH: 2-1/4 IN; THREAD: 6BSW; MATERIAL: STL DROP FORGED; SPECIFICATION: BS 4278; UNGALVANISED WITH SWL STAMPED ON EYEBOLT TEST CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; LENGTH: 2-3/4 IN
0085137	BOLT ASSY:1-1/4 IN;LG 5-1/2 IN;HEX;STL	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1-1/4 IN; LENGTH: 5-1/2 IN; HEAD: HEX; MATERIAL: STL; THREAD: 7BSW; NUTS
0085147	BOLT ASSY:M16;LG 60 MM;HEX;HTS;2 MM;1	BOLT, ASSEMBLY: NOMINAL DIAMETER: M16; LENGTH: 60 MM; HEAD: HEX; MATERIAL: HTS; THREAD: 2 MM; NUT QUANTITY: 1
0085472	BOLT MACH:M30;LG 180 MM;HEX;8.8;HTS	BOLT, MACHINE: DIAMETER: M30; LENGTH: 180 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3.5 MM; SPECIFICATION: DIN 931
0085492	BOLT ASSY:GP;M20;LG 55 MM;HEX;8.8;HTS;45	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 55 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 45 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: HTS; PROTECTIVE COATING: BLACK; DOUBLE HEAT TREATED
0085554	BOLT MACH:M16;LG 30 MM;HEX;8.8;HTS;2 MM	BOLT, MACHINE: DIAMETER: M16; LENGTH: 30 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 2 MM
0085579	BOLT MACH:LG 80 MM;HEX;8.8;HTS;1.5 MM	BOLT, MACHINE: LENGTH: 80 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 1.5 MM
0085649	BOLT ASSY:GP;M12;LG 60 MM;HEX;8.8;HTS;32	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 60 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS;

		THREAD LENGTH: 32 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: HTS; NUT GRADE: 8.8; SPECIFICATION: SABS136
0089353	NUT:TIE BOLT;2-3/8 IN;11 MM;STL	NUT: TYPE: TIE BOLT; DIAMETER: 2-3/8 IN; THREAD: 11 MM; MATERIAL: STL; SUPPL P/N: 9205; REFERENCE NO: 2-211-141 601; SABS135; FOR KSB BOILER FEED PUMP TYPE HDC 6N/8 GRADE: 8.8
0089354	WASHER:TIE BOLT;59 MM;ID 60 MM;OD 110 MM	WASHER: TYPE: TIE BOLT; NOMINAL SIZE: 59 MM; INSIDE DIAMETER: 60 MM; OUTSIDE DIAMETER: 110 MM; THICKNESS: 9.7 MM; MATERIAL: STL; SPECIFICATION: SABS 135; SUPPL P/N: 550; REFERENCE NO: 2-211-141 601; FOR FEED PUMP, GRADE 8.8
0090501	NUT:TIE BOLT;7/8 IN;9BSW;SS;ISO 9001;316	NUT: TYPE: TIE BOLT; DIAMETER: 7/8 IN; THREAD: 9BSW; MATERIAL: STAINLESS STEEL; SPECIFICATION: ISO 9001; MATERIAL GRADE: 316; APPLICATION: PUMP; SUPPL P/N: 11-13; MODEL NO: HPTPOM32-25 5STG; REFERENCE NO: 015-202-010-410; FOR USE ON SULZER PUMP
0093180	BOLT ASSY:COUPLING;M20;LG 106 MM;STL	BOLT, ASSEMBLY: TYPE: COUPLING; NOMINAL DIAMETER: M20; LENGTH: 106 MM; MATERIAL: STL; THREAD: 2.5 MM; COMPLETE WITH RUBBER; NUT AND WASHER
0093181	BOLT ASSY:COUPLING;M30;LG 186 MM;STL	BOLT, ASSEMBLY: TYPE: COUPLING; NOMINAL DIAMETER: M30; LENGTH: 186 MM; MATERIAL: STL; THREAD: 3.5 MM; 20 INCH HEAVY DUTY FLEXIBLE COMPLETE WITH NUT BUFFER AND WASHER FOR CONVEYOR GEARBOX DRIVE
0093182	BOLT ASSY:COUPLING;M36;LG 225 MM;STL	BOLT, ASSEMBLY: TYPE: COUPLING; NOMINAL DIAMETER: M36; LENGTH: 225 MM; MATERIAL: STL; THREAD: 4 MM; COMPLETE WITH NUT BUFFER AND WASHER FOR CONVEYOR
0093186	BOLT:COUPLING;M36;LG 200 MM;STL;4 MM	BOLT: TYPE: COUPLING; DIAMETER: M36; LENGTH: 200 MM; MATERIAL: STL; THREAD: 4 MM; COMPLETE WITH NUT AND RUBBERS FOR 6-9 AIR HEATERS
0108520	BOLT ANCHR:RAWL;M5;STL;LG 50 MM	BOLT, ANCHOR: TYPE: RAWL; DIAMETER: M5; MATERIAL: STL; LENGTH: 50 MM; REFERENCE NO: A19; ANCHOR MATERIAL: STL; ANCHOR SIZE: DIA 8 X LG 38 MM; DRILL SIZE: 9 MM; SCREW SIZE: M5; THREAD LENGTH: 50 MM; TYPE: RAWLBOLT
0108832	BOLT ANCHR:RAWL;M16;STL;LG 150 MM	BOLT, ANCHOR: TYPE: RAWL; DIAMETER: M16; MATERIAL: STL; LENGTH: 150 MM; DRILL SIZE: 26MM, ANCHOR SIZE: DIA 25 X LG 100MM
0173425	BARREL BOLT:PAD;DIA 12 X LG 200 X WD 50	BARREL BOLT: TYPE: PAD; DIMENSIONS: DIA 12 X LG 200 X WD 50 MM; MATERIAL: STL GALV; SIZE 13 MM DIA
0183410	BOLT:LINER;M12;LG 35 MM	BOLT: TYPE: LINER; DIAMETER: M12; LENGTH: 35 MM; FOR USE ON PA AND SEAL AIR FANS,BOILER 8-10
0222742	BOLT ASSY:MULTI PURPOSE;M20;LG 70 MM;HEX	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 70 MM;

		HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; NUT QUANTITY: 1; DIN931
0222743	BOLT ASSY:MULTI PURPOSE;M20;LG 85 MM;HEX	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 85 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; NUT QUANTITY: 1; DIN931
0222744	BOLT ASSY:MULTI PURPOSE;M12;LG 45 MM;HEX	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 45 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; NUT QUANTITY: 1; DIN931
0222745	BOLT ASSY:MULTI PURPOSE;M20;LG 60 MM;HEX	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 60 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; NUT QUANTITY: 1; DIN931
0222746	BOLT ASSY:MULTI PURPOSE;M20;LG 225 MM;1	BOLT, ASSEMBLY: TYPE: MULTI PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 225 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; NUT QUANTITY: 1; DIN931
0225738	BOLT MACH:M30;LG 230 MM;HEX;GR E62;3 MM	BOLT, MACHINE: DIAMETER: M30; LENGTH: 230 MM; HEAD: HEX; MATERIAL: GR E62; THREAD: 3 MM; SUPPL P/N: F012M-E62; MODEL NO: 1210F- AH; FOR USE ON WARMAN PUMP;TYPE: CLAMP
0225749	BOLT ASSY:GLAND;M20;LG 90 MM;SQ;GR E62;1	BOLT, ASSEMBLY: TYPE: GLAND; NOMINAL DIAMETER: M20; LENGTH: 90 MM; HEAD: SQ; MATERIAL: GR E62; THREAD: 2.5 MM; NUT QUANTITY: 1; SUPPL P/N: G045M-E62; MODEL NO: 1210F-AH; SUPPLIED WITH WASHER, FOR USE ON WARMAN PUMP
0225751	BOLT MACH:M16;LG 115 MM;HEX;GR E62	BOLT, MACHINE: DIAMETER: M16; LENGTH: 115 MM; HEAD: HEX; MATERIAL: GR E62; SUPPL P/N: G126M-E62; MODEL NO: 1210F-AH; FOR USE ON WARMAN PUMP; TYPE: GLAND CLAMP
0240299	BOLT:TURBOFLEX COUPLING;12.5 MM;LG 64 MM	BOLT: TYPE: TURBOFLEX COUPLING; DIAMETER: 12.5 MM; LENGTH: 64 MM; HEAD: HALF RD; GRADE: B15456-3; MATERIAL: B15456-3; THREAD: 1.5 MM; SPECIFICATION: B15456-3; MODEL NO: HBS1500-8; ON 50 PCT KSB FEEDPUMP HCD6N/8, TO BE SUPPLIERD AS A MATCHED SET OF 16
0244274	NUT:TIE BOLT;34 MM;7 MM;HTS	NUT: TYPE: TIE BOLT; DIAMETER: 34 MM; THREAD: 7 MM; MATERIAL: HTS; SUPPL P/N: 9706P-09-35STP; 1-1/2 HS STUD
0244275	NUT:TIE BOLT;17 MM;6 MM;HTS	NUT: TYPE: TIE BOLT; DIAMETER: 17 MM; THREAD: 6 MM; MATERIAL: HTS; SUPPL P/N: 9706P-03-35 STP; OD 31 MM; 3/4 HS
0244276	NUT:TIE BOLT;M22;7 MM	NUT: TYPE: TIE BOLT; DIAMETER: M22; THREAD: 7 MM; SUPPL P/N: 9706P-05-35STP; REFERENCE NO: 1 HS
0244460	BOLT MACH:7/8 IN;LG 78 MM;18 MM;50 MM	BOLT, MACHINE: DIAMETER: 7/8 IN; LENGTH: 78 MM; THREAD: 18 MM; THREAD LENGTH: 50 MM; SUPPL P/N: 9701P-22-CSCRP; 2-1/4 CBCS
0247380	BOLT MACH:M30;LG 160 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M30; LENGTH: 160 MM; HEAD: HEX; GRADE: 8.8; MATERIAL:

		TUNGSTEN
0247381	BOLT MACH:M30;LG 125 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M30; LENGTH: 125 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247382	BOLT MACH:M30;LG 90 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M30; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247383	BOLT MACH:M24;LG 80 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M24; LENGTH: 80 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247388	BOLT MACH:M24;LG 90 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M24; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247389	BOLT MACH:M24;LG 60 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M24; LENGTH: 60 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247390	BOLT MACH:M16;LG 90 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M16; LENGTH: 90 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0247391	BOLT MACH:M16;LG 70 MM;HEX;8.8;TUNGSTEN	BOLT, MACHINE: DIAMETER: M16; LENGTH: 70 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: TUNGSTEN
0576903	BOLT:TURBINE;82 MM;LG 669 MM;HEX;BS970	BOLT: TYPE: TURBINE; DIAMETER: 82 MM; LENGTH: 669 MM; HEAD: HEX; MATERIAL: 34CRNIM06; SPECIFICATION: BS970; DRAWING NO: DWGH 4925 REV 0; HP/LP COUPLING FITTED BOLTS; PILGRIM CLAMP ASSEMBLIES; CONSISTING OF BOLTS AND TWO ROUND NUTS; OR MATERIAL 817M40
0576904	BOLT:TURBINE;82 MM;LG 808 MM;HEX;BS970	BOLT: TYPE: TURBINE; DIAMETER: 82 MM; LENGTH: 808 MM; HEAD: HEX; MATERIAL: 34CRNIM06; SPECIFICATION: BS970; DRAWING NO: DWGH 4925 REV 0; LP GENERATOR COUPLING FITTED BOLTS; PILGRIM RADIAL FIT BOLT WITH A STUD USED WITH NUTS AND BOLTS ON BOTH SIDES AND COUPLES; CONSISTS OF BOLT TAPER SLEEVE AND TWO ROUND NUTS
0576905	BOLT:TURBINE;82 MM;LG 669 MM;HEADLESS	BOLT: TYPE: TURBINE; DIAMETER: 82 MM; LENGTH: 669 MM; HEAD: HEADLESS; MATERIAL: 34CRN1M06; SPECIFICATION: BS970; DRAWING NO: DWGH 4925 REV 0; HP/LP COUPLING FITTED BOLTS; PILGRIM CLAMP BOLT ASSEMBLIES; CONSISTING OF BOLT AND TWO ROUND NUTS
0609561	BOLT:SCREW;22 MM;LG 120 MM;HEX;CAST IRON	BOLT: TYPE: SCREW; DIAMETER: 22 MM; LENGTH: 120 MM; HEAD: HEX; MATERIAL: CAST IRON; MANUF P/N: 45074EAA1040EAEA
0620802	BOLT:STUD;1-1/8 IN;LG 6-1/2 IN;HEX;BSP	BOLT: TYPE: STUD; DIAMETER: 1-1/8 IN; LENGTH: 6-1/2 IN; HEAD: HEX; MATERIAL: STL 60; THREAD: BSP; THREAD LENGTH: 40 MM; MANUF P/N: Y30039127; REFERENCE NO: 34245-130; B7 7028 BTC
0620806	STUD:BOLT;3/4 IN;BSF;LG 4-1/2 IN;STL 60	STUD: TYPE: BOLT; DIAMETER: 3/4 IN; THREAD: BSF; LENGTH: 4-1/2 IN; MATERIAL: STL 60; THREAD LENGTH: 4-1/2 IN; MANUF

		P/N: Y30039081; REFERENCE NO: 34242-145; 3/4 INCH X 4-1/2 INCH LONG
0625796	BOLT:M24;M24;LG 140 MM;HEX;MS	BOLT: TYPE: M24; DIAMETER: M24; LENGTH: 140 MM; HEAD: HEX; MATERIAL: MS; MANUF P/N: 1083055
0633637	BOLT:HOLDING;M16;LG 70 MM;HEX;8.8;STL;68	BOLT: TYPE: HOLDING; DIAMETER: M16; LENGTH: 70 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: STL; THREAD: 0.75 MM; THREAD LENGTH: 68 MM; PROTECTIVE COATING: BLACK POWDER COATED
0653559	BOLT:VALVE ISOLATION;M24;LG 200 MM;ROUND	BOLT: TYPE: VALVE ISOLATION; DIAMETER: M24; LENGTH: 200 MM; HEAD: ROUND; MATERIAL: CARBON STEEL; THREAD: 15 MM; THREAD LENGTH: 15 MM
0655390	BOLT MACH:5/8 IN;LG 60 MM;HEX;8.8;HTS;55	BOLT, MACHINE: DIAMETER: 5/8 IN; LENGTH: 60 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: BSF; THREAD LENGTH: 55 MM; TYPE: GENERAL PURPOSE
0655392	BOLT:HEX HEAD;5/8 IN;LG 40 MM;HEX;8.8	BOLT: TYPE: HEX HEAD; DIAMETER: 5/8 IN; LENGTH: 40 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: STEEL HIGH TENSILE
0655412	BOLT:HEX HEAD;1/2 IN;LG 50 MM;HEX;8.8	HEAD; DIAMETER: 1/2 IN; LENGTH: 50 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HIGH TENSILE STEEL; THREAD: BSF; THREAD LENGTH: FULL
0655424	BOLT:HEX HEAD;3/4 IN;LG 40 MM;HEX;BSW;40	BOLT: TYPE: HEX HEAD; DIAMETER: 3/4 IN; LENGTH: 40 MM; HEAD: HEX; MATERIAL: HIGH TENSILE STEEL; THREAD: BSW; THREAD LENGTH: 40 MM
0655426	BOLT:HEX HEAD;3/4 IN;LG 60 MM;HEX;8.8;60	BOLT: TYPE: HEX HEAD; DIAMETER: 3/4 IN; LENGTH: 60 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HIGH TENSILE STEEL; THREAD: BSW; THREAD LENGTH: 60 MM
0656145	BOLT:HEX HEAD;34 MM;LG 200 MM;HEX	BOLT: TYPE: HEX HEAD; DIAMETER: 34 MM; LENGTH: 200 MM; HEAD: HEX; MATERIAL: MILD STEEL
0659407	BOLT:HEX HEAD;1-3/8 IN;LG 175 MM;HEX;HTS	BOLT: TYPE: HEX HEAD; DIAMETER: 1-3/8 IN; LENGTH: 175 MM; HEAD: HEX; MATERIAL: HTS; THREAD: UNC
0717514	BOLT MACH:M36;LG 100;HEX;8.8;HTS;METRIC	BOLT, MACHINE: DIAMETER: M36; LENGTH: 100; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: METRIC; THREAD LENGTH: FULL LENGTH THREAD; PROTECTIVE COATING: GALVANIZED; TYPE: HEX; M36X100MM METRIC HEX BOLT ,STEEL ,GALVANIZED, HIGH TENSILE 8.8
0717515	BOLT MACH:M36;LG 140 MM;HEX;8.8;HTS;140	BOLT, MACHINE: DIAMETER: M36; LENGTH: 140 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: METRIC; THREAD LENGTH: 140; PROTECTIVE COATING: GALVANIZED; TYPE: M36; M36 X 140MM BOLT, GALVANIZED STEEL, GRADE 8.8 HIGH TENSILE
0717516	BOLT MACH:M36;LG 160 M;HEX;8.8;HTS;160	BOLT, MACHINE: DIAMETER: M36; LENGTH: 160 M; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: METRIC; THREAD LENGTH: 160;

	PROTECTIVE COATING: GALVANIZED; TYPE: M36; M36 X 160MM BOLT, GALVANIZED STEEL, GRADE 8.8 HIGH TENSILE
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Packaging / Crating

- The *Supplier* shall be responsible for the packaging of all Spares delivered to Hendrina Power Station – Main Stores.
- All the spares supplied *shall* be individually wrapped as per the Hendrina Commercial Stock Preservation and Management procedure

Delivery to Site

- The *Supplier* shall be responsible for the transportation of all Spares delivered to Hendrina Power Station – Main Stores.
- Ownership will only be transferred to the *Purchaser* upon payment

Supply before award of contract

The *Supplier* will provide the following before the contract is awarded:

- Material Certificates to be provided by the *Supplier* upon delivery

2.1 Purchaser's design

- As per OEM. Material specifications, quality control plan, welding procedures, consumable, non-destructive testing, and post weld heat treatment certificates to be supplied with delivery by the supplier

2.2 Procedure for submission and acceptance of Supplier's design

- Before the *Supplier* can deliver must insure that it's the correct spares. The *Supplier* will still be liable to supply the correct spares that will precisely be applicable to the Bearings, Plummer Blocks & Sleeves Spares Eskom plant standards

2.3 Other requirements of the Supplier's design

- As per OEM and *Purchaser's* specifications

2.4 Use of Supplier's design

- As per OEM and *Purchaser's* specifications

2.5 Manufacture & fabrication

- As per OEM. *Supplier* will be required to provide data sheets for all manufactured spares and also provide the pressure testing certificate and material certificates where applicable. Certificates will then be the property of the *Purchaser*. As per OEM and *Purchaser's* specifications and drawings

2.6 Factory acceptance testing (FAT)

- QC to be done with the end user before and after delivery. *Supplier* will be required to provide data sheets for all manufactured spares and also provide the relevant certification as mentioned in the technical specifications above

2.7 Other tests and inspections and commissioning in place of use

- All relevant required certificates and test reports to be supplied.
- Additional testing (NDE) by the *Purchaser* as and when required

2.8 Operating manuals and maintenance schedules

- Not Applicable

3 Supply Requirements

- The supply of Bearings, Plummer Blocks & Sleeves Spares.
- Requests for delivery will be made on a contract release order starting with a 45 number
- All equipment / spares must be on time of required order date
- Transported by road on suppliers costs and transport
- End user to be informed when delivery will be done at least 2 days upfront
- No deliveries to be done on a Friday, Weekend or public holiday except on an emergency basis indicated by the *Purchaser*
- The *Supplier* must deliver the components between 08:30 to 15:30 Mondays to Thursdays and 8:30 to 11:30 on Fridays. No deliveries to be done on weekends unless prior arrangements done with the *Supplier*, *Purchaser* and stores
- Pallets to convey the batch must be strong enough to carry and transport load at anytime

Batches to be clearly marked and packed according to the required specifications

4 Specification of the services to be provided

- Access to site to be arranged before delivery date
- No Delivery will be accepted without an official contract release order
- Supplier delivery note must indicate partial delivery if partial delivery is made
- The stock number, quantity and material short description must be stated on the delivery note
- Each delivery to be recorded on receiving register and each delivery note must have unique number
- Spares must be well packaged and safely transported

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- All equipment / spares must be on time of required order date
- End user to be informed when delivery will be done at least 2 days after the Purchase Order release and send to the supplier.

- Lead time should be included when tendering.

5.2 Work to be done by the Delivery Date

- All equipment / spares must be on time of required order date
- Transported by road on suppliers costs and transport
- The *Purchaser* to acknowledge receipt of goods by stamping and signing the delivery note of the *Supplier* upon delivery, rejected items to be communicated after the official quality inspection is done on site by the end user of the spares rejected must be collected and the correct supplied within 7 days
- Only spares specified will be accepted. Any spares that does not meet the specifications will be rejected

5.3 Marking the goods

Batches to be clearly mark and packed according to the required specifications as follows:

- Name of *Supplier*
- Purchase order number
- Material number
- Serial / part number
- Quantity delivered
- And each Component must have a unique identification linked to the relevant *Supplier*
- Short description

Supply and marking of the components shall be done as per the table below.

5.4 Constraints at the delivery place and place of use

- *Supplier* to have the correct access to site approved
- End user will determine the offloading point at time
- Forklift with driver will be supplied for offloading
- Pallets to convey the batch must be strong enough to carry and transport load at anytime
- Supplier might not be the only supplier delivering on that day and has to wait for assistance

5.5 Cooperating with Others

- Co-operation with others will be from time to time and on a as and when required basis on request by the *Purchaser*

5.6 Services & other things to be provided by the *Purchaser* or *Supplier*

- The *Purchaser* will determine the offloading point at time
- The *Purchaser* will provide resources to offload the spares being delivered (Forklift and cranes)
- The *Supplier* will offload small spares

Number	Title	Issued by
Act 85 of 93	Occupational Health and Safety Act	<i>Supplier</i>

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	TBC	TBA	TBC
Overall contract progress and feedback	TBC	TBA	<i>Purchaser and Contractor</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Service Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the *service*. Records of these meetings shall be submitted to the *Purchaser* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

- Attendance of meetings as required by *Purchaser* Such as:-
 - Any meeting requested by the *Purchaser* or *Supplier*

5.8 Documentation control

- Each instruction, certificate, submission, proposal, record, acceptance, notification, reply and other communication which this contract requires is communicated in a form which can be read, copied and recorded.
- Writing is in the Language of this contract.
- All reports to be discussed, compiled and handed in to the *Purchaser*
- All communications must be printed and filed in the *Purchaser* file

5.9 Health and safety risk management

The *Supplier* shall comply with the health and safety requirements contained in Annexure SHE Specification 14RISK SRM – 084 to this Service Information.

- All The *Purchaser's* health and safety procedures and regulations to be adhered to by the *Supplier*
- A SHEQ file to be handed in at the SHEQ department for approval prior to work commencement and kept up to date for the duration of the contract

SHEQ Policy

Eskom SHEQ Policy

The *Purchaser* has made a commitment to conduct business with respect and care for people, the environment and assets and that no operating condition or urgency of service justifies exposing anyone to negative risks arising from the *Purchaser* business.

Compliance with the *Purchaser's* SHEQ Policy and applicable regulations is the responsibility of every employee and *Supplier*

Supplier's SHEQ Policy

All *Contractors* shall have an OHS policy signed by the CEO of the *Supplier* and prominently displayed where employees normally report for duty.

Signed copy of the OHS policy shall form part of the SHEQ file.

SHE PLAN REQUIREMENTS:-

- Principal *Contractors* shall develop a suitable and sufficiently documented site specific SHE plans, based on the scope of work and client SHEQ specification.
- The SHE plan must be pre-approved by the client for implementation. The principal *Supplier/ Supplier* has a responsibility to send the SHE plan to the client for approval prior to commencement of work.
- The SHE plan must be applied from the commencement of and for the duration the construction work, which must be updated / reviewed as the work progresses / changes.

When a principal *Supplier* intends appointing *Contractor*, the principal *Supplier* shall ensure that the *Supplier* provides and demonstrate a suitable, sufficiently documented and coherent site specific health and safety plan, based on the client's SHEQ specifications and scope of work

Health and Safety Arrangements

The *Supplier* ensures that all his personnel attend a Health and Safety Induction Course prior to contract starting date, and annual re- induction. The Induction Course is presented by the *Employer's* Safety Risk Department at the *Employer*. Arrangements are made with Safety Risk Management, by the *Contractor*.

The *Employer's* Safety Risk Manager visits and inspects the *Contractor's* workplace or site yard and the working areas to ensure that tools; machinery and Equipment comply with the minimum safety requirements.

The *Supply Manager* may instruct the *Supplier* to stop work, where the *Contractor's* personnel fail to conform to safety standards or contravene health and safety regulations. Such stop-work order is not a compensation event. The *Supply Manager* may instruct the *Supplier* to discipline his employees and to submit a disciplinary action report to the *Supply Manager*. The *Supplier* implements additional health and safety precautions where necessary.

Health and safety

The *Supplier* complies with the Occupational Health and Safety Act 85 of 1993, as well as per the *Employer's* procedure as stipulated below:

- SHEQ Policy 32-727
- The *Purchaser's* Procurement and Supply Chain Management Procedure 32-1034
- SHE Requirements for the *Purchaser's* Commercial Process 32-726
- *Supplier* Health and Safety Requirements 32-136
- Integrated SHE Organization; Roles and Responsibilities and Statutory Appointments 32- 296
- Live-saving Rules 240-62196227
- Working at Heights 32-418
- The *Purchaser's* Vehicle Safety Specifications 32-345
- the *PuchaserSupplier* SHEQ Specifications 14RISK SRM - 084

Site Regulations and Procedures

Site Regulations

The latest revision the *Puchaser's* Site Regulations form part of this contract.

Copies of these procedures are available on request.

(Any additional site regulations implemented will be applicable)

Safety risk management

"Standard for Health and Safety at Hendrina Power Station - requirements to be met by *Contractors*".

Vehicle and driver safety

All drivers, passengers and pedestrians must obey vehicle safety requirements in terms of the National Road Traffic Act, Act No 93 of 1996, as amended, including other relevant provincial or local requirements.

Speed Limit

All vehicles must be driven with due consideration for personnel and property. All speed limits will be adhered to on the premises at all times.

Transportation of passengers: open LDV's:

With effect from 31 May 2006 no *purchaser's* employee or *Supplier* would be allowed to transport passengers on the back of open light delivery vehicles (LDV's). It is a legal requirement to provide safe transportation of the *purchasers* and *Supplier* employees – therefore the following will be enforced:

The *Employer's* Life Saving Rules:

Five Life Saving Rules have been developed that will apply to all the *Employer's* employees, agents, Consultants and Contractors.

- Rule 1: Open, Isolate, Test, Earth, Bond, And / Or Insulate before touch - that is any plant operating above 1 000 V.
- Rule 2: Hook up at heights - no person may work at height where there is a risk of falling.
- Rule 3: Buckle up – no person may drive any vehicle for the *Employer's* business and/or on the *Employer's* premises: unless the driver and all passengers are wearing seat belts.

The *Purchaser* takes a "ZERO TOLERANCE" attitude to drivers and passengers who do not wear safety belts when driving in a vehicle for the *Employer's* Business and / or on the *Employer's* premises. The violation of this very important safety rule as well as any safety rule while performing work for or on behalf of the *Purchaser* may result in the *Purchaser* terminating your obligation to perform work in terms of your contract with the *Employer*.

All occupants must wear their safety belts properly, and must never put the shoulder belt under their arm or behind their backs. Drivers and all passengers must buckle-up at all times for the sake of themselves and their families.

- Rule 4: Be sober (no person is allowed to work under the influence of drugs and Alcohol.
- Rule 5: Use a permit to work – where an authorization limitation exists, no person shall work without the required permit to work.

The *Supplier* acknowledges that it is fully aware of the requirements of all the above and undertakes to employ only people who have been duly authorised in terms thereof and who have received sufficient safety training to ensure that they can comply therewith.

The *Supplier* undertakes not to do, or not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

The *Supplier* shall appoint a person who will liaise with the *Purchaser's* Safety Officer responsible for the premises relevant to this contract.

Do safety audits at the *Contractor's* premises, its work-places and on its employees;

Refuse any employee, sub-*Supplier* or agent of the *Supplier* access to its premises if such person has been found to commit any unlawful act or any unsafe working practice or is found to be not authorised or qualifies in terms of the OHSACT;

Issue the *Supplier* with a work stop order or a compliance order should *Purchaser* become aware of any unsafe working procedures or conditions or any non-compliance with the Act, Regulations and Procedures by the *Supplier* or any of its employees, sub-Contractors or agents.

The *Contractors* Health and safety file is to be submitted for approval to the *Purchaser's* Safety Officer before contract commencement.

All work stoppages called by the *Purchaser* to be adhered to

Supplier's Responsible to ensure that his Letter of Good standing is valid at all times as stipulated in the construction regulations point 7 (C) (iv) and the specifications 2.5.2 (iv) and 3.10 *Supplier* will not be allowed on site if his letter of good standing is not valid

First aid and fire fighting

Adequate first aid and firefighting equipment to be provided by the *Purchaser*
All *Supplier* personnel must have First aid and firefighting training
Fire extinguishers to be provided by the *Contractor*

Fire Precautions

Any tampering with the *Employer's* fire equipment is strictly forbidden.

All exit doors, fire escape routes, walkways, stairways, stair landings and access to electrical distribution boards is kept free of obstruction, and are not used for work or storage at any time. Firefighting equipment must remain accessible at all times.

The *Supplier* takes the necessary action to safe guard the area to prevent injury and the spreading of the fire.

Security, fire protection and safety

The *Supplier* shall be responsible for ensuring the security of the works, and of his plant, equipment and materials. To that end he shall make adequate provision for access control, lighting and watchman to the works where required.

Fire protection

The provision of the *Employer's* standard NWS 1494 "Fire Prevention and Protection of *Contractor's* premises at New Works sites" shall be applicable.

Safety and incident prevention

The *Supplier* shall implement and maintain an active Site Safety and Accident Prevention Programme in accordance with the the *Purchaser's* SHEQ Specifications. The overriding regulations will however be the Occupational Health and Safety Act.

- Incident Management, Corrective & Prevention Action Procedure to be adhered to – 14Risk IM PC-019

Reporting of accidents

The *Purchaser* follows an accident prevention policy that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The *Supplier's* expected to fully co-operate to achieve this objective. The *Supply Manager* must be informed immediately of any incidents. A written report to be submitted to the *Purchaser* within 24 Hours of incidents and any damage to property or equipment

NOTE! This report does not relieve the *Supplier* of his legal obligations to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

Occupational Health and Safety Act 85 of 1993 – SECTION 37

In accordance with Section 37 (2) of the Act, the *Supplier*'s appointed by the *Purchaser*'s mandatory to assume Health and Safety duties and responsibilities. The *Supplier* ensures compliance with all requirements of the Act and any instruction or notification that enhances those requirements.

The *Supplier* acknowledges that he is fully aware of all the requirements of the Occupational Health and Safety Act and undertakes to employ only staff who have been duly authorised in terms thereof and who receive sufficient safety training to ensure that they can comply therewith.

The *Supplier* undertakes not to do, and not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

The *Supplier* appoints a person who liaises with the *Employer's* Safety Officer, responsible for the premises relevant to the Contract. The person appointed shall on request:

- Supply the *Purchaser's* Safety Officer with copies of minutes of all Health and Safety Committee meetings, whenever required.
- Supply the *Purchaser's* Safety Officer with copies of all appointments in respect of employees employed on this contract, in terms of the Act and Regulations and shall notify the *Purchaser's* Safety Officer of any changes thereto.

The *Purchase* may, at any stage during the duration of this contract:

- perform safety audits at the *Contractor's* premises, its work place and its employees;
- refuse any employee, *Sub-Supplier* or agent of the *Supplier* access to its premises if such person is found to commit any unsafe act or any unsafe working practice or is found not to be duly authorised nor qualified in terms of the Act;
- Issue the *Supplier* with an instruction to stop work should the *Purchaser* become aware of any unsafe working procedure or condition or any non - compliance with the Act, Regulations and Procedures referred to in the Occupational Health and Safety Act - 85 of 1993 and all Regulations made hereunder as well as all the *Purchaser's* Safety and Operating Procedures. Any such instruction is not a compensation event. Furthermore, no amendments to the act or the Regulations or reasonable amendment to the *Purchaser's* Safety and Operating Procedures will entitle the *Supplier* to claim any additional costs or time incurred in complying therewith, from the *Purchaser*

Safety Regulations of the *Purchaser*

The *Supplier* conforms to the *Employer's* Plant Safety Regulations

The *Purchaser* makes available to the *Contractor*, on request, a copy of the latest revision of the Plant Safety Regulations.

Barricading / Screens and Scaffolding:

The *Supplier* shall provide and install fixed barricades and warning devices to ensure that equipment and people are not exposed to danger or to prevent access to dangerous areas.

The *Purchaser* will supply scaffolding if not stated differently in the Works Information. Arrangements of such must be made at least one- (1) week in advance by the *Contractor*. (Tampering of any approved scaffold is not allowed for any adjustments – The *Supply Manager* should be notified of any adjustments.)

5.10 Environmental constraints and management

- The *Supplier* shall comply with Hendrina Power Station environmental management system. This includes the identification, collection, storage, transportation and disposal of waste. Hazardous waste shall be disposed of in line with the applicable environmental legislation. It is important to note that all spillages must be cleaned immediately and reported to the *Supply Manager* as soon as possible. It is the responsibility of the polluter to clean all spillages and for the rehabilitation of the polluted land. The clean-up cost is for the *Contractor's* account.

5.11 Quality

The *Purchaser* is in the process of implementing an ISO 9001 series, therefore the *Supplier* will be expected to implement a quality system and maintains the quality system until the completion of this contract. The *Supplier* will comply with the provisions of the ISO 9001 series

The *Supplier* will work according to the *Purchaser's* standards, specifications, guidelines and procedures. Where no standards, specifications, guidelines and procedures are available, the *Supplier* will work according to the Generation Quality manual and professional guidelines.

- Quality process in Hendrina -15MNT MSS QCP-0080
- Quality Control Plan and Contract Plan Approval Process Standard 39-71.
- SANS Approved standards
- QM58 – Eskom's Quality Requirements

5.12 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* payment certificate.

The *Supplier* shall address the tax invoice to

and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*;
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Purchaser's* VAT registration number 4740101508;
- Description of service provided for each item invoiced based on the Price List;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- Purchase order number
- CPA calculation sheet
- CPA calculation sheet and the Invoice for CPA on the Invoice to be send to the financial department as per the *Employer's* Invoicing procedure / instruction

5.13 Insurance provided by the *Purchaser*

- Not Applicable

5.14 Contract change management

- In a case where one *Supplier* takes over from another *Contractor*, the Site *Supply Manager* must be notified in writing immediately.
- The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*
- Changing the Service Information
- Access
- Provision by the *Purchaser*

- Stopping work
- Work of the *Purchaser* or others
- Reply to communication
- Changing a decision
- Withholding acceptance
- Delayed tests or inspections
- Change of Affected property
- Materials, facilities, etc. for tests
- *Purchaser* risks
- Assumption about Compensation Events
- *Purchaser* breach of contract

5.15 Provision of bonds and guarantees

- Not Applicable

5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

- Will be done as per Eskom assessments, invoicing and payment procedure and requirements.

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

- Subcontracting will be approved by the *Supply Manager* if it is required to do subcontracting or as per SDL&I requirements

6.1.2 Limitations on subcontracting

- Subcontracting will be approved by the *Supply Manager* if it is required to do subcontracting or as per SDL&I requirements

6.1.3 Spares and consumables

- Not Applicable

6.1.4 Other requirements related to procurement

- To be negotiated with *Supply Manager*

6.1.5 Cataloguing requirements by the *Supplier*

- To be communicated with *Supply Manager*

7 List of drawings

7.1 Drawings issued by the *Purchaser*

As per OEM specifications and *Purchaser* drawings

8 X17 - Low performance damages

X17.1 SERVICE LEVEL TABLE			
No	DESCRIPTION OF TASK	QUALITY OF PERFORMANCE REASON FOR DAMAGES	DAMAGES TO BE IMPLEMENTED
1	On time delivery	All deliveries to be delivered as per agreed lead time stated on order number	2 % of order value for one day late and 5% for more than one day
2	Packing and preliminary marking of goods before delivery	All items must be wrapped with clear, plastic, bubble wrap that is clear or be placed inside cardboards for preservations purposes The marking should be as follows Name of Supplier, Purchase order number, Part number and delivery date	2 % of order value

9 - Key Performance Indicators (only a sample below)

Contract _____																			Contract				
Number _____																							
YEAR:-																							
Monthly Report for: Contractual Period																							
	KPA	Objective	Weight	Base	Target	Ceiling	Mth 1	Mth 2	Mth 3	Mth 4	Mth 5	Mth 6	Mth 7	Mth 8	Mth 9	Mth 10	Mth 11	Mth 12	YTD		YE		
																						A	S
1																							
2																							
3																							
4																							

A= ACTUAL YTD = YEAR TO DATE S = SCORE YE = YEAR END

C3.2 *SUPPLIER'S* GOODS INFORMATION

- As per OEM specifications
 - All relevant documentation to be handed in as requested from *Purchaser / Supply Manager*
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